UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Coordinates for and analytical values of 221 rock, 494 stream sediment and soil, and 261 panned-concentrate samples included in the Butte 1° x 2° quadrangle between the latitudes of 46°30'00" and 47°00'00" N., and the longitudes of 113°30'00" and 114°00'00" W.

by

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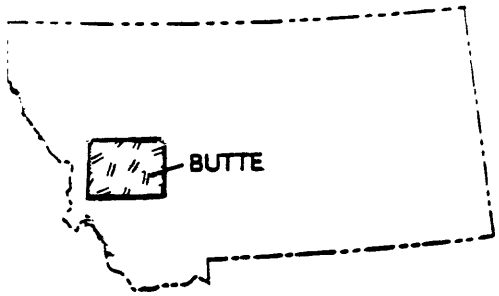
Chapter B

This report is preliminary and had not been reviewed for conformity with U.S. Geological Survey Editorial standards

STUDY AREA



ANALYSES OF SAMPLES
AVAILABLE AS OF JUNE, 1982
BUTTE 1° x 2°
CUSMAP QUADRANGLE

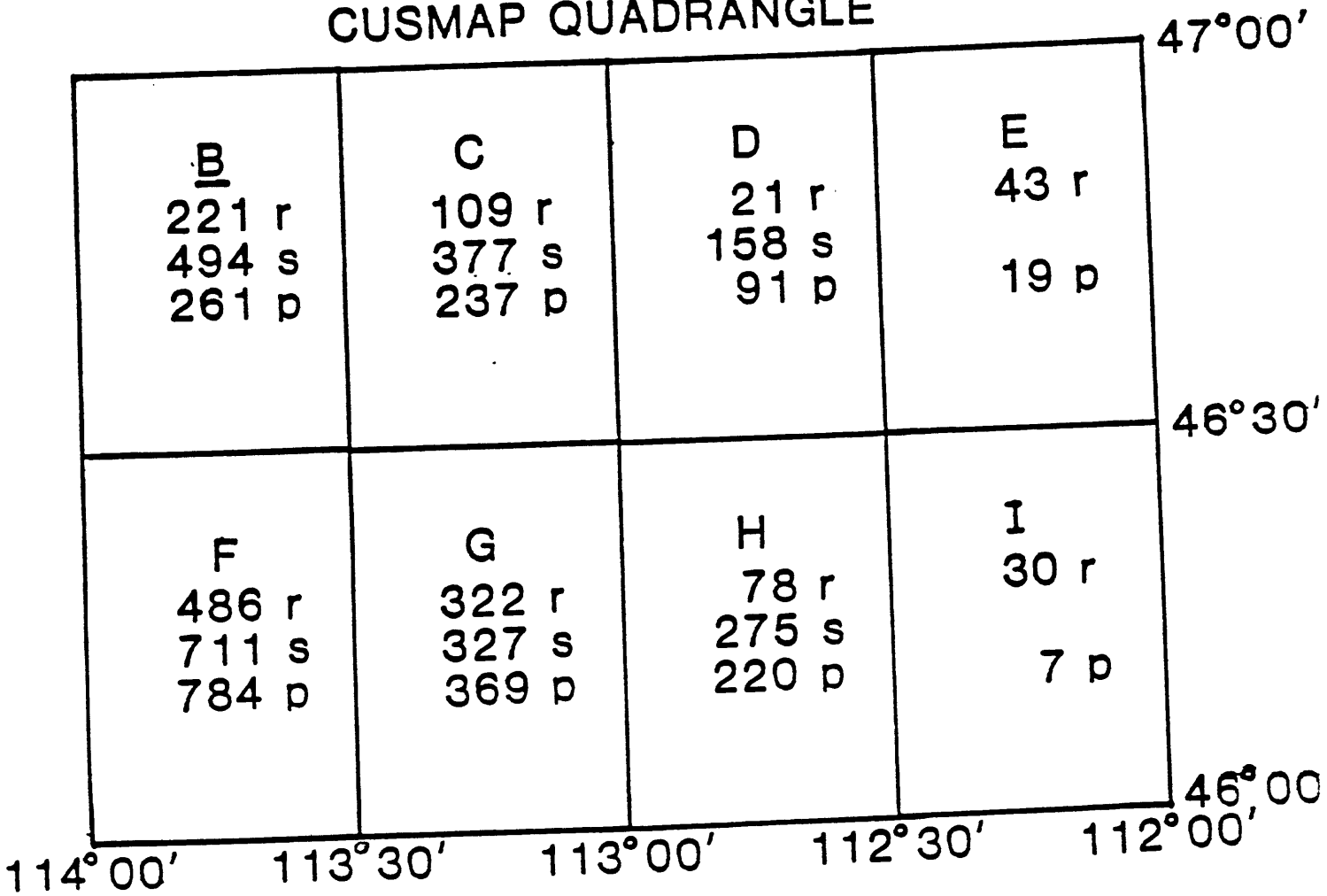


FIGURE 1. Chart of samples analyzed and location map of study area

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE,MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
80078	46 32 49	113 54 31	5.00	3.00	3.00	.500	1,500	N	N	N	N	1,500	1.5
80082	46 34 43	113 54 39	5.00	5.00	3.00	.500	700	N	N	N	N	150	N
80110	46 35 39	113 54 28	.05	.10	.15	.030	20	N	N	N	N	70	1.5
80156	46 35 58	113 54 28	1.00	.30	.50	.150	50	N	N	N	N	1,000	2.0
80201	46 35 58	113 54 26	3.00	1.50	2.00	.200	700	N	N	N	<10	1,500	1.0
80212	46 32 29	113 54 30	1.50	.50	1.50	.150	700	N	N	N	N	1,500	1.5
80251	46 34 3	113 54 27	.70	.20	1.00	.070	150	N	N	N	N	1,500	1.5
80DL49	46 35 39	113 54 26	3.00	1.50	2.00	.300	700	N	N	N	10	1,000	1.5
80DL57	46 33 26	113 54 29	2.00	1.50	2.00	.200	700	N	N	N	<10	700	1.5
BLP0038R	46 55 20	113 47 26	.70	.30	<.05	.150	150	N	N	N	50	150	<1.0
BLP0039R	46 55 31	113 47 34	2.00	.70	<.05	.150	100	N	N	N	70	200	1.5
BLP0040R	46 56 2	113 48 44	5.00	1.00	.20	.700	150	N	N	N	500	500	1.5
BLP0041R	46 56 14	113 48 47	3.00	.30	.20	.700	300	3.0	N	N	200	200	1.5
BLP0042R	46 56 38	113 48 57	1.00	.70	<.05	.200	100	N	N	N	100	150	2.0
BLP0043R	46 56 51	113 48 23	.50	.15	<.05	.030	50	N	N	N	N	1,000	N
BLP0044R	46 57 13	113 47 38	.30	.15	<.05	.050	100	N	N	N	<10	1,500	N
BLP0045R	46 57 17	113 47 33	7.00	.70	<.05	.150	500	N	N	N	20	700	1.0
BLP0046R	46 57 27	113 47 2	3.00	1.50	.07	.150	300	N	N	N	70	500	1.0
BLP0047R	46 57 47	113 46 33	3.00	2.00	.15	.500	500	N	N	N	100	700	2.0
BLP0048R	46 58 43	113 45 57	.30	.15	<.05	.030	100	N	N	N	<10	300	<1.0
BLP0049R	46 59 8	113 45 20	.50	.20	<.05	.050	70	N	N	N	10	300	<1.0
BLP0050R	46 59 33	113 45 13	.50	.20	<.05	.030	100	N	N	N	100	150	<1.0
BLP0431R	46 56 44	113 49 14	.70	.30	<.05	.150	70	N	N	N	30	200	1.0
BLP0432R	46 56 52	113 49 39	1.00	.50	<.05	.150	70	N	N	N	50	200	1.0
BLP0433R	46 56 56	113 49 52	.70	.10	<.05	.150	20	<.5	N	N	30	150	<1.0
BLP0434R	46 56 58	113 50 10	1.00	.50	<.05	.200	100	N	N	N	30	300	1.5
BLP0436R	46 56 58	113 50 58	.50	.10	<.05	.200	150	N	N	N	50	70	<1.0
BLP0437R	46 57 4	113 51 6	.20	.07	<.05	.500	50	N	N	N	30	30	N
BLP0438R	46 57 4	113 51 6	.50	.03	<.05	.100	10	N	N	N	15	30	N
BLP0439R	46 57 4	113 51 6	.30	.07	<.05	1.000	10	N	N	N	50	20	N
BLP0442R	46 55 59	113 51 46	3.00	1.50	.30	.300	300	N	N	N	100	1,000	2.0
BLP0443R	46 56 11	113 51 45	.10	.15	.05	.005	70	N	N	N	100	30	N
BLP0444R	46 56 19	113 51 34	.10	.20	15.00	.003	200	N	N	N	N	<20	<1.0
BLP0445R	46 56 17	113 51 22	<.05	10.00	15.00	.003	100	N	N	N	15	N	N
BLP0446R	46 56 17	113 51 22	<.05	10.00	20.00	.003	70	N	N	N	15	N	N
BLP0668R	46 59 24	113 49 1	2.00	2.00	.07	.200	300	N	N	N	150	700	2.0
BLP1954R	46 55 22	113 49 35	.30	.03	<.05	.150	100	N	N	N	10	100	N
BLP1955R	46 55 15	113 48 46	.70	.02	<.05	.200	150	N	N	N	10	30	N
BLP1956R	46 54 58	113 46 36	1.00	.50	.05	.070	50	N	N	N	30	500	1.0
BON0400R	46 48 43	113 47 8	3.00	3.00	.20	.500	200	1.0	N	N	200	1,000	2.0
CL80014	46 49 5	113 32 12	.70	.10	.15	.015	300	1.0	N	N	30	50	1.0
CL80025A	46 55 41	113 32 11	3.00	3.00	10.00	.200	1,000	N	N	N	20	150	1.5
CL80027A	46 48 29	113 32 12	7.00	1.00	>20.00	.200	3,000	N	N	N	N	20	N
CL80027B	46 48 29	113 32 12	5.00	5.00	20.00	.200	3,000	N	N	N	<10	<20	<1.0
CL80027C	46 48 29	113 32 12	.50	1.50	>20.00	.050	700	N	N	N	<10	30	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE,MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
80078	N	N	10	20	<5	50	N	<20	10	15	N	10	N	500	100
80082	N	N	10	20	50	<20	N	N	7	<10	N	15	N	300	150
80110	N	N	<5	N	N	<20	N	N	<5	10	N	<5	N	N	<10
80156	N	N	5	N	<5	50	N	N	5	20	N	5	N	150	10
80201	N	N	10	30	<5	20	N	N	10	30	N	7	N	300	70
80212	N	N	5	10	<5	30	N	N	<5	30	N	<5	N	300	20
80251	N	N	<5	<10	5	30	N	N	<5	20	N	N	N	300	15
80DL49	N	N	7	20	<5	30	N	N	10	30	N	7	N	500	70
80DL57	N	N	7	20	5	30	N	N	7	30	N	7	N	500	70
BLP0038R	N	N	N	10	<5	30	N	<20	5	<10	N	N	N	N	20
BLP0039R	N	N	<5	10	<5	30	N	<20	7	10	N	5	N	N	20
BLP0040R	N	N	15	200	20	100	N	<20	70	20	N	20	N	<100	100
BLP0041R	N	N	7	70	20	150	N	<20	20	15	N	10	N	<100	50
BLP0042R	N	N	N	15	<5	50	N	<20	<5	<10	N	5	N	N	30
BLP0043R	N	N	N	<10	<5	20	N	<20	<5	<10	N	N	N	N	10
BLP0044R	N	N	N	10	<5	20	N	<20	<5	N	N	N	N	N	10
BLP0045R	N	N	20	50	100	30	N	<20	30	15	N	7	N	N	50
BLP0046R	N	N	7	50	<5	30	N	N	10	15	N	5	N	N	50
BLP0047R	N	N	10	70	20	50	N	<20	20	30	N	15	N	<100	70
BLP0048R	N	N	N	<10	<5	20	N	N	<5	10	N	N	N	N	10
BLP0049R	N	N	N	15	<5	20	N	N	<5	15	N	N	N	<100	15
BLP0050R	N	N	N	15	<5	30	N	N	5	10	N	N	N	<100	15
BLP0431R	N	N	5	<10	<5	30	N	<20	<5	<10	N	5	N	N	15
BLP0432R	N	N	5	15	<5	30	N	<20	5	<10	N	<5	N	N	20
BLP0433R	N	N	<5	15	N	30	N	N	<5	<10	N	N	N	N	10
BLP0434R	N	N	5	15	<5	50	N	N	7	10	N	5	N	N	30
BLP0436R	N	N	5	15	15	30	N	N	5	<10	N	N	N	N	10
BLP0437R	N	N	<5	20	N	20	N	<20	<5	<10	N	<5	N	N	20
BLP0438R	N	N	N	10	N	30	N	N	<5	<10	N	N	N	N	15
BLP0439R	N	N	<5	30	<5	30	N	<20	<5	<10	N	<5	N	N	20
BLP0442R	N	N	7	20	<5	30	N	<20	10	10	N	10	N	<100	30
BLP0443R	N	N	N	<10	N	<20	N	N	<5	<10	N	N	N	N	<10
BLP0444R	N	N	N	N	<5	20	N	N	N	30	N	N	N	<100	<10
BLP0445R	N	N	N	N	N	<20	N	N	N	<10	N	N	N	N	<10
BLP0446R	N	N	N	N	<5	<20	N	N	N	N	N	N	N	N	<10
BLP0668R	N	N	7	30	<5	30	N	<20	10	15	N	5	N	<100	30
BLP1954R	N	N	N	10	<5	20	N	N	5	<10	N	<5	N	N	15
BLP1955R	N	N	N	20	7	20	N	<20	<5	<10	N	N	N	<100	15
BLP1956R	N	N	N	20	7	20	N	N	5	<10	N	N	N	<100	15
BON0400R	N	N	10	70	1,500	50	N	<20	30	15	N	15	N	N	70
CL80014	N	N	N	15	15	20	N	N	5	30	<100	N	N	N	20
CL80025A	N	N	10	50	30	30	N	N	20	20	N	7	N	300	100
CL80027A	N	N	7	20	5	<20	N	N	<5	<10	N	5	15	N	200
CL80027B	N	N	10	30	20	200	N	<20	15	10	N	30	N	200	100
CL80027C	N	N	7	10	5	20	N	N	<5	<10	N	<5	N	300	15

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE,MONTANA(continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
80078	N	20	N	200	N	<.05	1	2	7	<.05	.15	<1	<1
80082	N	20	N	30	N	<.05	13	1	2	<.05	.20	<1	<1
80110	N	15	N	50	N	<.05	1	1	<1	<.05	.05	<1	<1
80156	N	20	N	150	N	<.05	1	1	1	<.05	.05	<1	1
80201	N	20	N	150	N	<.05	2	4	4	<.05	.10	<1	<1
80212	N	15	N	30	N	<.05	1	2	4	<.05	.20	<1	<1
80251	N	10	N	150	N	<.05	1	3	3	<.05	.10	<1	<1
80DL49	N	20	N	150	N	<.05	2	2	7	<.05	.05	<1	<1
80DL57	N	20	N	200	N	<.05	2	1	6	<.05	.05	<1	<1
BLP0038R	N	N	N	150	N	--	1	1	1	<.05	<.05	<1	<1
BLP0039R	N	<10	N	200	N	--	1	2	1	<.05	<.05	<1	<1
BLP0040R	N	50	N	500	N	--	8	5	6	<.05	.05	1	<1
BLP0041R	N	70	N	>1,000	N	--	6	3	6	<.05	<.05	<1	<1
BLP0042R	N	10	N	300	N	--	1	1	2	<.05	<.05	<1	<1
BLP0043R	N	30	N	200	N	--	1	1	1	<.05	<.05	<1	<1
BLP0044R	N	<10	N	150	N	--	<1	<1	<1	<.05	<.05	<1	<1
BLP0045R	N	20	N	300	N	--	68	7	13	<.05	<.05	1	<1
BLP0046R	N	30	N	300	N	--	1	2	4	<.05	<.05	<1	<1
BLP0047R	N	50	N	200	N	--	10	9	8	<.05	<.05	<1	<1
BLP0048R	N	N	N	100	N	--	<1	1	1	<.05	<.05	<1	<1
BLP0049R	N	30	N	70	N	--	<1	1	1	<.05	<.05	<1	<1
BLP0050R	N	100	N	150	N	--	<1	1	1	<.05	<.05	<1	<1
BLP0431R	N	10	N	700	N	--	3	<1	1	<.05	<.05	<1	<1
BLP0432R	N	<10	N	200	N	--	2	1	1	<.05	<.05	<1	<1
BLP0433R	N	N	N	150	N	--	1	<1	<1	<.05	<.05	<1	<1
BLP0434R	N	10	N	200	N	--	1	<1	1	<.05	<.05	<1	<1
BLP0436R	N	<10	N	150	N	--	4	<1	1	<.05	<.05	<1	<1
BLP0437R	N	10	N	700	N	--	1	<1	1	<.05	<.05	<1	<1
BLP0438R	N	<10	N	100	N	--	1	<1	1	<.05	<.05	<1	<1
BLP0439R	N	10	N	700	N	--	<1	<1	1	<.05	<.05	<1	<1
BLP0442R	N	30	N	200	N	--	<1	1	6	<.05	<.05	<1	<1
BLP0443R	N	N	N	<10	N	--	<1	<1	1	<.05	<.05	<1	<1
BLP0444R	N	<10	N	N	N	--	1	20	11	<.05	.22	<1	<1
BLP0445R	N	N	N	N	N	--	<1	3	6	<.05	<.05	<1	<1
BLP0446R	N	N	N	N	N	--	<1	<1	4	<.05	<.05	<1	<1
BLP0668R	N	30	N	300	N	--	<1	2	4	<.02	<.05	<1	<1
BLP1954R	N	N	N	300	N	--	2	1	1	.05	<.05	<1	1
BLP1955R	N	<10	N	300	N	--	2	1	1	.07	<.05	<1	<1
BLP1956R	N	<10	N	300	N	--	4	1	1	<.05	<.05	<1	<1
BON0400R	N	30	N	200	N	--	1,800	6	4	.33	<.05	<1	<1
CL80014	N	N	N	30	N	.70	--	--	--	--	--	--	--
CL80025A	N	20	<200	150	N	N	--	--	--	--	--	--	--
CL80027A	N	10	N	150	N	N	--	--	--	--	--	--	--
CL80027B	N	30	<200	150	N	N	--	--	--	--	--	--	--
CL80027C	N	N	N	50	N	N	--	--	--	--	--	--	--

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
CL80033	46 55 5	113 32 11	1.50	.70	1.50	.300	150	N	N	N	10	1,500	1.5
CL80042	46 45 12	113 32 13	.30	.07	.20	.007	30	N	N	N	N	>5,000	N
CL80043	46 45 47	113 32 12	.10	7.00	15.00	.007	150	N	N	N	10	500	N
CL80071	46 49 22	113 32 12	.10	3.00	>20.00	.007	500	N	N	N	N	<20	N
CLE0052R	46 36 56	113 49 9	3.00	.70	.10	.200	100	7.0	N	N	30	2,000	2.0
CLE0053R	46 36 56	113 49 9	.70	.10	<.05	<.002	50	1.5	N	N	N	100	<1.0
CLE0054R	46 36 56	113 49 5	5.00	.30	.20	.300	200	N	N	N	20	700	1.0
CLE0055R	46 36 55	113 48 26	5.00	.70	.30	.500	500	N	N	N	150	1,000	1.5
CLE0056R	46 36 44	113 48 24	5.00	1.50	.50	.300	200	7.0	N	N	300	700	1.5
CLE0063R	46 35 48	113 45 57	1.50	.30	.20	.200	70	N	N	N	300	150	1.5
CLE0285R	46 36 50	113 49 16	1.50	.07	<.05	.020	100	N	N	N	N	150	N
CLE0286R	46 36 58	113 49 12	2.00	.70	.15	.300	300	N	N	N	20	700	2.0
CLE0288R	46 37 50	113 48 4	5.00	.70	.20	.300	100	N	N	N	70	700	2.0
CLE0289R	46 37 53	113 47 40	1.00	.07	<.05	.030	100	N	N	N	<10	100	N
CLE0290R	46 37 47	113 46 36	7.00	2.00	.30	.500	500	N	N	N	300	700	2.0
CLE0291R	46 37 36	113 45 21	3.00	1.00	.15	.300	200	N	N	N	100	700	1.0
CLE0292R	46 37 36	113 45 21	3.00	1.50	.15	.700	200	N	N	N	200	1,000	1.5
CLE1890R	46 39 23	113 46 27	5.00	1.50	3.00	.500	700	N	N	N	500	1,500	2.0
CLE1897R	46 33 27	113 45 56	2.00	.50	.30	.200	150	N	N	N	150	500	1.5
CLE1898R	46 33 24	113 46 11	5.00	.02	<.05	.050	200	N	200	N	20	200	1.0
CLE1899R	46 32 36	113 46 41	1.00	.50	.10	.200	50	N	N	N	150	300	2.0
CLE1929R	46 30 52	113 46 0	3.00	7.00	15.00	.300	700	N	N	N	200	500	1.0
CLE2800R	46 33 10	113 47 3	.30	.15	.07	.070	<10	N	N	N	50	100	1.5
CLE2804M	46 35 49	113 48 30	1.00	.30	2.00	.150	500	N	N	N	<10	700	3.0
CLE2805R	46 36 21	113 48 31	2.00	1.00	.30	.200	100	N	N	N	10	500	2.0
CLE2806R	46 35 16	113 47 42	5.00	1.50	.15	.500	200	N	N	N	300	1,500	3.0
CLE2807R	46 34 50	113 46 34	3.00	1.00	.20	.300	70	<.5	N	N	200	500	5.0
CLE2871R	46 37 3	113 55 12	.70	.20	1.50	.050	200	N	N	N	10	1,500	3.0
CLE3857R	46 41 8	113 59 11	3.00	1.00	.30	.500	150	N	N	N	300	500	3.0
CLE3858O	46 41 8	113 59 15	2.00	.70	.20	.300	500	N	N	N	150	1,500	2.0
CLE3859M	46 41 8	113 59 15	2.00	.05	3.00	.005	1,000	N	N	N	N	5,000	<1.0
CLE3871O	46 41 15	113 59 37	3.00	.20	1.50	.150	500	<.5	N	N	50	2,000	2.0
CLE3899R	46 44 47	113 54 0	3.00	3.00	10.00	.300	500	N	N	N	500	500	1.5
CLE4800R	46 44 31	113 54 54	3.00	1.00	.30	.200	200	<.5	N	N	150	300	1.0
CLE4801R	46 44 31	113 54 54	.70	.30	20.00	.070	1,500	N	N	N	50	150	<1.0
CLI3931R	46 47 27	113 40 5	15.00	1.00	.30	.200	>5,000	50.0	300	N	20	2,000	1.5
CLI3932R	46 47 27	113 40 5	3.00	1.50	3.00	.500	700	N	N	N	<10	2,000	1.5
CLI3933R	46 47 20	113 39 55	10.00	.30	.50	.300	5,000	100.0	7,000	N	300	2,000	1.5
CLI3934R	46 47 20	113 39 55	3.00	.30	1.00	.500	1,500	N	N	N	150	1,000	1.5
CLI3938R	46 47 25	113 39 9	10.00	.05	<.05	.050	3,000	200.0	7,000	N	70	>5,000	1.0
CLI3939R	46 46 49	113 39 54	3.00	.50	.50	.200	1,500	15.0	500	N	200	500	1.5
CLI3940R	46 46 49	113 39 54	3.00	1.50	2.00	.300	700	N	N	N	10	2,000	2.0
CLI3941R	46 49 27	113 37 35	3.00	7.00	20.00	.070	>5,000	10.0	N	N	N	700	<1.0
CLI3943R	46 49 14	113 37 34	3.00	7.00	>20.00	.020	3,000	N	N	N	N	200	<1.0
CLI3944R	46 49 5	113 37 35	7.00	.15	.20	.015	500	N	N	N	10	100	1.0

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° x 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
CL80033	N	N	5	50	<5	150	N	N	15	50	N	5	N	700	70
CL80042	N	N	N	<10	<5	20	10	N	N	10	N	N	N	>5,000	15
CL80043	N	N	N	10	<5	20	N	N	N	N	N	N	N	N	10
CL80071	N	N	N	N	7	N	N	N	N	100	N	N	N	200	10
CLE0052R	N	N	20	70	10	20	N	<20	20	15	N	10	N	N	100
CLE0053R	10	N	N	<10	15	20	N	N	5	10	N	N	N	N	<10
CLE0054R	N	N	N	70	<5	150	N	<20	<5	10	N	7	N	<100	30
CLE0055R	N	N	10	100	<5	70	N	<20	15	<10	N	10	N	<100	50
CLE0056R	N	N	7	100	<5	70	N	<20	15	<10	N	10	N	<100	50
CLE0063R	N	N	5	50	<5	100	N	<20	5	15	N	7	N	<100	50
CLE0285R	N	N	7	<10	15	<20	7	N	5	10	N	N	N	N	15
CLE0286R	N	N	7	70	5	20	N	<20	15	10	N	7	N	N	50
CLE0288R	N	N	7	70	<5	100	N	<20	50	10	N	15	N	<100	70
CLE0289R	N	N	N	10	70	N	N	N	<5	10	N	N	N	N	<10
CLE0290R	N	N	15	100	5	70	N	<20	70	15	N	15	N	<100	70
CLE0291R	N	N	7	70	<5	30	N	N	15	20	N	7	N	<100	30
CLE0292R	N	N	7	100	<5	N	N	N	15	15	N	20	N	<100	100
CLE1890R	N	N	7	150	5	30	N	<20	30	10	N	15	N	<100	100
CLE1897R	N	N	5	100	<5	150	N	<20	10	10	N	5	N	N	50
CLE1898R	N	N	<5	15	10	20	N	<20	5	10	N	<5	N	N	10
CLE1899R	N	N	5	50	<5	30	N	<20	10	10	N	7	N	N	30
CLE1929R	N	N	7	100	7	30	N	<20	15	10	N	10	N	N	100
CLE2800R	N	N	N	15	<5	20	N	N	<5	<10	N	5	N	N	15
CLE2804M	N	N	<5	10	<5	30	N	<20	<5	30	N	7	N	700	30
CLE2805R	N	N	7	50	<5	30	N	N	15	<10	N	7	N	N	50
CLE2806R	N	N	10	100	<5	50	N	<20	50	<10	N	10	N	N	70
CLE2807R	N	N	5	50	500	30	N	<20	20	30	N	7	30	N	30
CLE2871R	N	N	<5	10	<5	<20	N	N	5	70	N	<5	N	500	10
CLE3857R	N	N	7	70	50	50	N	<20	20	50	N	10	N	N	70
CLE3858O	N	N	70	20	>20,000	50	5	<20	30	70	N	7	N	N	30
CLE3859M	N	N	<5	<10	500	20	N	N	<5	20	N	5	N	>5,000	<10
CLE3871O	N	N	300	10	>20,000	<20	<5	<20	15	30	N	5	N	N	30
CLE3899R	N	N	150	50	5	70	N	<20	20	50	N	10	N	N	50
CLE4800R	N	N	10	30	2,000	70	N	<20	20	700	N	5	N	N	30
CLE4801R	N	N	<5	10	200	30	N	N	5	200	N	7	N	200	15
CLI3931R	200	N	50	30	20,000	30	1,500	N	50	100	<100	7	N	<100	70
CLI3932R	N	N	15	100	30	50	7	<20	50	30	N	7	N	1,500	70
CLI3933R	300	N	30	30	>20,000	30	100	<20	50	2,000	1,000	5	N	N	50
CLI3934R	N	N	20	100	700	50	N	<20	30	50	N	7	N	200	50
CLI3938R	200	N	30	15	>20,000	<20	70	N	20	1,000	5,000	<5	N	200	30
CLI3939R	30	N	20	50	3,000	20	10	N	20	1,500	N	5	N	N	30
CLI3940R	N	N	15	100	30	50	N	<20	50	50	N	7	N	1,500	70
CLI3941R	N	N	7	20	20	20	N	N	15	1,500	N	N	N	N	50
CLI3943R	N	N	<5	15	30	<20	N	N	15	5,000	N	N	N	N	50
CLI3944R	N	N	7	10	30	20	N	N	10	30	N	N	N	N	150

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
CL80033	N	10	N	150	N	N	--	--	--	--	--	--	--
CL80042	N	N	N	10	N	N	--	--	--	--	--	--	--
CL80043	N	N	N	10	N	N	--	--	--	--	--	--	--
CL80071	N	N	N	N	N	N	--	--	--	--	--	--	--
CLE0052R	N	15	N	200	N	--	6	3	1	2.35	<.05	1	<1
CLE0053R	N	N	N	N	N	--	11	2	<1	.60	<.05	12	<1
CLE0054R	N	70	N	500	N	--	<1	2	2	<.05	<.05	<1	<1
CLE0055R	N	70	N	700	N	--	<1	1	6	<.05	.08	<1	<1
CLE0056R	N	70	N	700	N	--	<1	1	<1	<.05	<.05	1	<1
CLE0063R	N	30	N	200	N	--	2	13	5	.10	.06	2	1
CLE0285R	N	N	N	N	N	--	3	1	1	.09	<.05	10	<1
CLE0286R	N	30	N	500	N	--	2	3	1	<.05	.06	4	<1
CLE0288R	N	70	N	700	N	--	1	2	2	<.05	.05	<1	<1
CLE0289R	N	200	N	30	N	--	33	1	1	<.05	<.05	<1	<1
CLE0290R	N	30	N	700	N	--	1	2	3	<.05	<.05	<1	<1
CLE0291R	N	20	N	200	N	--	1	2	2	<.05	.05	<1	<1
CLE0292R	N	30	N	500	N	--	<1	2	2	<.05	.05	<1	<1
CLE1890R	N	50	N	300	N	--	N	N	1	N	.07	N	1
CLE1897R	N	50	N	300	N	--	N	N	1	N	.07	N	N
CLE1898R	N	<10	N	100	N	--	N	N	2	N	.06	N	N
CLE1899R	N	10	N	300	N	--	N	N	1	N	.07	N	N
CLE1929R	N	30	N	200	N	--	2	1	5	N	.17	N	N
CLE2800R	N	<10	N	70	N	--	N	N	N	N	.06	N	N
CLE2804M	N	15	N	200	N	.41	N	3	3	<.05	<.05	1	2
CLE2805R	N	20	N	100	N	--	N	N	1	N	.07	N	N
CLE2806R	N	30	N	200	N	--	N	N	1	N	.07	N	N
CLE2807R	N	30	N	200	N	--	N	N	1	N	.37	N	N
CLE2871R	N	N	N	50	N	--	N	N	1	N	<.05	N	N
CLE3857R	N	50	N	300	N	--	20	65	1	N	.12	N	N
CLE3858O	N	70	N	300	N	.06	>50,000	54	1	.34	.66	12	20
CLE3859M	N	50	N	10	N	<.05	2,300	42	1	.05	.07	2	5
CLE3871O	N	20	N	300	N	.13	>50,000	45	1	.42	.62	15	22
CLE3899R	N	30	N	200	N	--	1	68	6	N	.33	N	1
CLE4800R	N	70	N	300	N	--	1,000	1,800	12	.62	.22	N	1
CLE4801R	N	150	N	70	N	--	190	670	4	.21	.29	1	3
CLI3931R	<50	10	N	100	N	--	>5,000	120	35	24.00	.22	71	11
CLI3932R	N	15	N	70	N	--	32	4	2	.17	N	N	N
CLI3933R	N	10	1,000	70	N	--	>5,000	1,700	270	88.00	16.00	370	310
CLI3934R	N	10	N	50	N	--	1,000	28	64	1.10	.72	3	9
CLI3938R	N	<10	2,000	50	N	--	>5,000	550	170	170.00	8.10	67	430
CLI3939R	N	20	N	150	N	--	620	650	89	4.80	.35	1	6
CLI3940R	N	15	N	70	N	--	83	13	3	.48	.08	N	1
CLI3941R	N	10	1,000	20	N	--	130	640	540	3.10	.77	N	3
CLI3943R	N	15	1,000	10	N	--	33	60	270	1.70	20.00	N	3
CLI3944R	N	N	700	10	N	--	29	69	460	.20	1.11	N	3

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
CLI3948R	46 47 50	113 38 48	10.00	.20	.15	.100	1,500	700.0	7,000	N	100	>5,000	1.5
CLI3949R	46 47 50	113 38 48	3.00	1.50	3.80	.300	700	N	N	N	N	2,000	1.5
CLI3950R	46 47 49	113 38 37	3.00	.70	.20	.100	1,500	150.0	N	N	20	>5,000	1.0
E0152A	46 46 45	113 39 50	7.00	.30	.05	.050	700	150.0	7,000	N	20	700	1.5
E0152B	46 46 45	113 39 50	7.00	.30	.10	.070	2,000	100.0	3,000	N	15	1,500	1.0
E0152C	46 46 45	113 39 50	3.00	2.00	3.00	.500	500	N	N	N	N	3,000	1.5
E0153A	46 47 20	113 39 15	10.00	.30	.10	.010	>5,000	150.0	1,500	N	N	>5,000	1.0
E0153B	46 47 20	113 39 15	15.00	.30	.30	.010	>5,000	150.0	3,000	N	N	>5,000	1.0
E0153C	46 47 20	113 39 15	3.00	2.00	3.00	.500	500	N	N	N	N	3,000	1.5
MIN3810M	46 45 55	113 32 36	.20	3.00	7.00	N	300	150.0	N	N	N	50	<1.0
MIN3811M	46 46 55	113 32 36	.15	5.00	15.00	N	300	20.0	N	N	N	<20	N
MIN3812M	46 45 55	113 32 36	<.05	7.00	15.00	N	150	N	N	N	N	<20	N
MIN3813R	46 45 55	113 32 36	.15	7.00	15.00	.020	500	<.5	N	N	<10	<20	N
MIN3820R	46 45 34	113 35 50	1.50	1.50	.50	.300	150	N	N	N	200	500	3.0
MIN3942R	46 49 10	113 37 29	1.00	.20	.30	.070	150	N	N	N	<10	150	<1.0
MIN3980R	46 47 20	113 30 21	.70	.50	>20.00	.070	300	1.0	N	N	30	20	N
MIN3981R	46 47 20	113 30 21	.70	.70	>20.00	.070	200	1.5	N	N	30	20	N
MIN3982R	46 47 18	113 30 23	3.00	.15	1.50	.020	50	200.0	1,000	N	20	200	1.0
MIN3983R	46 47 8	113 30 41	3.00	.50	1.50	.010	70	150.0	700	N	15	200	1.0
MIN3995O	46 48 30	113 35 57	10.00	.10	.20	.007	>5,000	200.0	700	N	10	1,500	1.5
MIN3999O	46 48 56	113 35 28	2.00	.15	.10	.070	>5,000	150.0	1,000	N	<10	>5,000	1.0
NEM0230R	46 59 57	113 57 2	5.00	3.00	.15	.300	500	N	N	N	200	500	2.0
NEM0233R	46 58 36	113 55 21	3.00	2.00	.07	.200	300	N	N	N	150	300	2.0
NEM0236R	46 59 23	113 54 28	7.00	1.50	.10	.700	500	N	N	N	300	1,500	1.0
NEM0412R	46 57 7	113 54 41	1.00	.30	.05	.150	100	N	N	N	50	500	1.5
NEM0447R	46 56 20	113 52 49	2.00	1.00	.20	.300	200	N	N	N	100	1,000	2.0
NEM0448R	46 56 17	113 54 9	3.00	1.50	.10	.300	700	N	N	N	200	700	1.5
NEM0449R	46 56 12	113 54 38	5.00	.70	.10	.300	500	N	N	N	300	1,000	2.0
NEM0611R	46 57 26	113 55 18	.30	.50	.10	.020	50	N	N	N	10	50	N
NEM0613R	46 55 38	113 57 31	2.00	5.00	20.00	.150	700	N	N	N	100	300	1.5
NEM0650R	46 59 53	113 54 21	1.00	.30	<.05	.100	50	N	N	N	50	300	1.0
NEM0651R	46 59 48	113 53 58	3.00	1.00	<.05	.100	100	N	N	N	70	70	1.0
NEM0652R	46 59 50	113 54 16	1.00	.50	<.05	.150	50	N	N	N	100	150	1.0
NEM0654R	46 59 58	113 55 18	3.00	1.50	<.05	.150	150	N	N	N	150	300	1.0
NEM0655R	46 58 3	113 56 24	3.00	3.00	.30	.500	300	N	N	N	300	200	1.5
NEM0656R	46 58 3	113 56 24	15.00	2.00	15.00	>1.000	2,000	N	N	N	<10	200	N
NEM0659R	46 59 10	113 54 52	5.00	.50	2.00	.300	300	N	N	N	200	200	2.0
NEM0660R	47 0 0	113 54 50	1.50	.20	.50	.200	150	N	N	N	100	100	1.0
NEM0661R	46 59 2	113 54 33	7.00	1.00	.50	1.000	100	N	N	N	300	500	2.0
NEM0662R	46 59 5	113 54 36	7.00	1.50	.05	.500	100	N	N	N	300	700	1.5
NEM0663R	46 58 42	113 54 38	2.00	1.00	>20.00	.070	300	N	N	N	N	150	N
NEM0664R	46 59 23	113 52 57	7.00	1.50	.30	.700	300	N	N	N	150	700	3.0
NEM0667R	46 58 2	113 52 52	1.50	.30	<.05	.100	50	N	N	N	100	200	1.0
NEM0813R	46 59 56	113 55 22	3.00	1.00	<.05	.200	150	N	N	N	50	300	1.0
NEM0814R	46 59 39	113 56 3	3.00	.50	.05	.150	300	N	N	N	20	200	1.0

TABLE1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE,MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
CLI3948R	500	N	15	15	>20,000	20	100	N	15	2,000	1,000	5	N	500	70
CLI3949R	N	N	20	100	10	200	N	<20	50	30	N	10	N	1,500	70
CLI3950R	10	N	20	70	>20,000	20	20	<20	30	2,000	N	5	N	300	70
E0152A	70	<20	20	10	>20,000	<20	70	N	10	20,000	700	5	N	N	30
E0152B	70	N	20	15	20,000	<20	50	N	20	7,000	150	5	N	<100	50
E0152C	N	N	10	70	15	150	N	N	30	50	N	10	N	1,000	100
E0153A	30	N	70	20	10,000	20	N	N	30	2,000	2,000	N	N	700	15
E0153B	150	N	50	15	20,000	<20	10	N	30	7,000	1,000	<5	N	1,000	50
E0153C	N	N	10	70	10	70	N	N	30	50	N	10	N	1,000	100
MIN3810M	<10	N	N	N	500	20	N	N	N	>20,000	200	N	N	N	70
MIN3811M	N	N	N	<10	150	20	N	N	N	>20,000	100	N	N	N	20
MIN3812M	N	N	N	<10	7	20	N	N	N	500	N	N	N	N	10
MIN3813R	N	N	N	<10	30	20	N	N	N	1,500	N	N	N	N	20
MIN3820R	N	N	7	20	500	30	N	<20	15	200	N	7	N	N	30
MIN3942R	N	N	<5	20	10	20	N	N	<5	30	N	N	N	N	20
MIN3980R	N	N	N	20	10	<20	N	N	5	700	N	5	N	150	20
MIN3981R	N	N	N	15	7	20	N	N	<5	700	N	N	N	200	15
MIN3982R	N	N	N	10	300	<20	7	<20	10	>20,000	200	N	N	N	5,000
MIN3983R	N	N	<5	15	200	<20	N	<20	10	>20,000	150	N	N	N	200
MIN39950	N	N	<5	10	1,000	20	5	N	15	>20,000	300	N	N	<100	100
MIN39990	N	500	7	10	7,000	20	150	N	15	>20,000	1,000	<5	N	1,000	15
NEM0230R	N	N	10	70	<5	<20	N	<20	20	15	N	15	N	<100	70
NEM0233R	N	N	7	50	N	20	N	N	15	10	N	10	N	N	50
NEM0236R	N	N	20	200	20	100	N	<20	70	30	N	20	N	N	100
NEM0412R	N	N	<5	15	15	30	N	N	<5	10	N	<5	N	N	20
NEM0447R	N	N	5	15	<5	<20	N	<20	5	10	N	7	N	N	30
NEM0448R	N	N	10	70	<5	30	N	<20	30	10	N	10	N	N	50
NEM0449R	N	N	7	50	7	50	N	<20	20	<10	N	15	N	N	50
NEM0611R	N	N	N	<10	N	20	N	N	7	<10	N	N	N	N	<10
NEM0613R	N	N	N	30	<5	30	N	N	10	<10	N	10	N	150	30
NEM0650R	N	N	5	15	N	20	N	<20	7	10	N	<5	N	<100	30
NEM0651R	N	N	5	15	<5	20	N	<20	15	<10	N	5	N	N	30
NEM0652R	N	N	<5	20	<5	20	N	N	5	10	N	<5	N	<100	20
NEM0654R	N	N	7	10	5	20	N	<20	15	10	N	5	N	N	50
NEM0655R	N	N	10	150	<5	30	N	<20	10	10	N	10	N	<100	70
NEM0656R	N	N	50	<10	100	N	N	N	30	30	N	50	N	700	500
NEM0659R	N	N	7	150	15	200	N	<20	20	30	N	10	N	200	70
NEM0660R	N	N	7	30	7	30	N	N	10	<10	N	5	N	<100	50
NEM0661R	N	N	15	200	70	150	N	<20	70	15	N	20	N	<100	100
NEM0662R	N	N	15	300	30	70	7	<20	70	15	N	30	N	N	100
NEM0663R	N	N	<5	30	<5	<20	N	N	5	10	N	N	N	300	15
NEM0664R	N	N	15	100	20	70	N	<20	30	20	N	15	N	N	100
NEM0667R	N	N	<5	20	5	20	N	N	5	<10	N	<5	N	<100	20
NEM0813R	N	N	7	50	30	20	N	<20	30	10	N	5	N	<100	30
NEM0814R	N	N	7	50	20	20	N	<20	10	10	N	5	N	<100	30

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE,MONTANA(continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
CLI3948R	N	15	700	30	N	--	>5,000	92	65	302.00	9.20	100	320
CLI3949R	N	20	N	50	N	--	5	N	6	N	.07	N	1
CLI3950R	N	<10	1,500	50	N	--	>5,000	500	250	147.00	5.16	14	12
E0152A	N	10	2,000	100	N	7.80	--	--	--	--	--	--	--
E0152B	N	20	2,000	100	N	3.30	--	--	--	--	--	--	--
E0152C	N	20	N	150	N	<.05	--	--	--	--	--	--	--
E0153A	N	10	1,500	N	N	.06	--	--	--	--	--	--	--
E0153B	N	10	1,500	N	N	1.00	--	--	--	--	--	--	--
E0153C	N	20	N	150	N	<.05	--	--	--	--	--	--	--
MIN3810M	N	N	N	N	N	.14	10	112	5	.43	.13	3	6
MIN3811M	N	N	N	N	N	<.05	86	>27,200	14	10.50	.52	5	36
MIN3812M	N	N	N	N	N	<.05	4	51	4	.20	.19	4	11
MIN3813R	N	N	N	10	N	<.05	67	2,600	10	.95	.31	4	19
MIN3820R	N	30	N	300	N	<.05	390	12	2	.08	.09	2	5
MIN3942R	N	<10	N	300	N	--	28	12	12	.20	.16	N	N
MIN3980R	N	<10	N	30	N	--	4	240	45	.16	1.10	1	3
MIN3981R	N	<10	N	30	N	--	2	260	44	.46	1.16	1	3
MIN3982R	N	N	3,000	10	N	--	140	>5,000	890	71.00	1.87	2	27
MIN3983R	N	N	5,000	10	N	--	74	>5,000	1,100	49.00	5.51	2	21
MIN3995O	N	N	5,000	N	N	1.30	850	>1,000	390	>100.00	2.14	1	190
MIN3999O	N	N	>10,000	70	N	1.40	570	>1,000	470	>100.00	5.55	1	40
NEM0230R	N	30	N	200	N	--	<1	2	6	<.05	.05	1	<1
NEM0233R	N	30	N	150	N	--	<1	2	5	<.05	.07	1	<1
NEM0236R	N	50	N	300	N	--	8	8	9	<.05	.05	1	<1
NEM0412R	N	15	N	150	N	--	10	<1	1	<.05	<.05	<1	<1
NEM0447R	N	50	N	300	N	--	1	2	3	<.05	<.05	<1	<1
NEM0448R	N	20	N	300	N	--	<1	2	4	<.05	.07	<1	<1
NEM0449R	N	30	N	200	N	--	1	2	6	<.05	.05	1	<1
NEM0611R	N	10	N	30	N	--	<1	1	<1	<.05	<.05	<1	<1
NEM0613R	N	30	N	70	N	--	160	2	13	.15	.13	<1	2
NEM0650R	N	15	N	300	N	--	<1	1	3	<.02	<.05	<1	<1
NEM0651R	N	30	N	300	N	--	<1	1	<1	<.02	<.05	<1	<1
NEM0652R	N	10	N	300	N	--	<1	1	1	<.02	<.05	<1	<1
NEM0654R	N	30	N	300	N	--	1	1	3	.02	<.05	<1	<1
NEM0655R	N	50	N	>1,000	N	--	<1	1	6	<.02	<.05	<1	<1
NEM0656R	N	70	N	100	N	--	91	11	12	.03	.08	1	<1
NEM0659R	N	150	N	500	N	--	3	12	5	<.02	.06	<1	<1
NEM0660R	N	30	N	500	N	--	1	2	4	<.02	<.05	<1	<1
NEM0661R	N	100	N	700	N	--	19	3	10	<.02	<.05	<1	<1
NEM0662R	N	30	N	70	N	--	3	2	9	<.02	.05	<1	<1
NEM0663R	N	N	N	50	N	--	1	1	6	<.02	<.05	<1	4
NEM0664R	N	70	N	500	N	--	5	3	13	<.02	<.05	<1	<1
NEM0667R	N	<10	N	700	N	--	<1	1	2	<.02	<.05	<1	<1
NEM0813R	N	30	N	500	N	--	3	1	3	<.02	<.05	<1	<1
NEM0814R	N	20	N	300	N	--	3	2	4	<.02	<.05	1	<1

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° x 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
NEM0815R	46 59 12	113 57 10	.50	.15	<.05	.100	50	N	N	N	30	300	<1.0
NEM0816R	46 59 29	113 56 34	2.00	1.50	.07	.150	300	N	N	N	50	300	1.5
NEM0817R	46 59 39	113 55 34	1.00	.15	<.05	.150	70	N	N	N	20	150	<1.0
NEM0818R	46 59 9	113 55 48	2.00	.70	<.05	.150	100	N	N	N	50	150	1.0
NEM0819R	46 58 56	113 56 3	.50	.15	<.05	.070	30	N	N	N	70	300	<1.0
RAV0131R	46 30 41	113 42 47	2.00	1.50	.50	.500	200	N	N	N	300	700	5.0
RAV0293R	46 37 34	113 44 45	1.50	.70	.10	.150	100	N	N	N	100	500	1.0
RAV0294R	46 38 12	113 43 33	2.00	.70	.15	.200	150	N	N	N	150	700	1.5
RAV0295R	46 40 0	113 42 48	.70	.10	.05	.070	200	N	N	N	30	500	<1.0
RAV0296R	46 39 25	113 41 38	3.00	1.00	.07	.300	300	N	N	N	70	500	1.5
RAV0297R	46 39 27	113 40 21	5.00	2.00	.10	.500	300	N	N	N	150	700	1.5
RAV0450R	46 37 57	113 40 53	3.00	.50	.10	.200	100	N	N	N	30	500	1.5
RAV0451R	46 37 45	113 41 28	1.50	.30	.05	.150	150	N	N	N	30	200	1.0
RAV0452R	46 37 45	113 41 28	.50	.07	<.05	.070	50	N	N	N	20	200	<1.0
RAV0453R	46 37 54	113 41 56	3.00	1.50	1.50	.200	500	N	N	N	30	300	1.5
RAV0454R	46 39 0	113 42 31	3.00	5.00	7.00	.300	1,000	N	N	N	100	1,000	2.0
RAV0457R	46 38 45	113 42 6	1.00	.30	.10	.100	300	N	N	N	50	200	1.0
RAV0683R	46 36 16	113 42 6	3.00	1.50	.20	.500	150	N	N	N	300	1,000	3.0
RAV0900R	46 36 16	113 41 19	5.00	1.50	.15	.500	150	N	N	N	200	1,000	2.0
RAV0901R	46 36 8	113 42 41	3.00	1.00	.10	.500	70	N	N	N	100	300	2.0
RAV0902R	46 36 1	113 43 7	3.00	1.00	.50	.300	300	N	N	N	100	300	2.0
RAV0903R	46 36 6	113 44 15	7.00	1.50	.20	.700	150	N	N	N	200	1,500	3.0
RAV0904R	46 36 36	113 44 33	3.00	1.50	.20	.700	300	N	N	N	200	700	3.0
RAV0905R	46 38 0	113 44 19	5.00	1.50	.20	.500	300	N	N	N	200	700	2.0
RAV0906R	46 37 26	113 44 10	5.00	.50	.70	.300	500	N	N	N	150	300	1.0
RAV0911R	46 36 51	113 42 56	1.00	.50	.30	.150	100	N	N	N	70	200	3.0
RAV0912R	46 36 51	113 42 52	.50	.50	1.50	.030	100	N	N	N	10	50	<1.0
RAV1227R	46 30 13	113 38 30	3.00	1.00	.15	.300	200	N	N	N	100	1,500	1.5
RAV1228R	46 32 11	113 36 59	3.00	1.50	.20	.300	300	N	N	N	300	700	1.5
RAV1229R	46 33 3	113 36 36	.50	.20	.07	.150	50	N	N	N	150	700	1.5
RAV1230R	46 32 38	113 34 54	.50	.15	.07	.070	20	N	N	N	150	700	1.0
RAV1231R	46 31 33	113 39 27	.70	.20	<.05	.050	15	N	N	N	70	200	1.0
RAV1232R	46 32 19	113 41 21	1.50	.30	.30	.150	100	N	N	N	50	1,000	5.0
RAV1236R	46 34 18	113 42 54	3.00	1.00	3.00	.300	700	N	N	N	10	500	2.0
RAV1237R	46 35 52	113 43 39	5.00	1.50	.20	.500	150	N	N	N	300	1,000	3.0
RAV1238R	46 35 8	113 42 29	3.00	1.50	.20	.500	150	N	N	N	200	500	2.0
RAV1239R	46 37 29	113 39 53	2.00	.50	.10	.300	100	N	N	N	70	300	2.0
RAV1415R	46 39 17	113 37 37	1.50	1.00	.70	.150	150	N	N	N	500	2,000	2.0
RAV1623R	46 30 21	113 40 1	1.00	.30	<.05	.200	30	N	N	N	200	300	2.0
RAV1624R	46 31 7	113 40 3	3.00	.70	<.05	.500	20	N	N	N	200	500	3.0
RAV1625R	46 31 27	113 40 54	1.00	.30	.05	.070	100	N	N	N	100	200	2.0
RAV1626R	46 32 6	113 40 20	1.50	.70	.10	.100	150	N	N	N	200	500	2.0
RAV1627R	46 32 55	113 39 43	3.00	1.50	.20	.500	30	N	N	N	200	500	3.0
RAV1628R	46 33 28	113 40 10	5.00	1.50	1.00	.500	300	N	N	N	200	500	1.5
RAV1629R	46 34 30	113 40 32	3.00	1.00	.20	.300	70	N	N	N	100	300	2.0

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° x 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
NEM0815R	N	N	N	15	<5	20	N	N	5	10	N	<5	N	<100	15
NEM0816R	N	N	5	50	20	30	N	<20	10	15	N	5	N	<100	30
NEM0817R	N	N	N	20	<5	20	N	<20	<5	10	N	5	N	<100	20
NEM0818R	N	N	N	20	20	20	N	<20	15	10	N	<5	N	N	30
NEM0819R	N	N	N	20	N	20	N	N	7	15	N	<5	N	<100	15
RAV0131R	N	N	<5	100	<5	20	N	<20	20	10	N	10	N	N	100
RAV0293R	N	N	5	20	<5	20	N	N	10	15	N	7	N	<100	30
RAV0294R	N	N	7	50	N	30	N	<20	15	15	N	7	N	N	30
RAV0295R	N	N	N	15	<5	20	N	N	5	15	N	N	N	N	15
RAV0296R	N	N	15	50	20	50	N	<20	20	15	N	7	N	N	50
RAV0297R	N	N	10	70	30	N	N	<20	30	10	N	15	N	N	70
RAV0450R	N	N	7	50	<5	30	N	<20	15	<10	N	7	N	<100	30
RAV0451R	N	N	5	15	<5	20	N	N	10	<10	N	5	N	N	20
RAV0452R	N	N	N	<10	<5	<20	N	N	<5	<10	N	<5	N	N	<10
RAV0453R	N	N	10	20	20	30	N	<20	20	10	N	7	N	N	30
RAV0454R	N	N	10	50	<5	30	N	<20	50	<10	N	10	N	N	50
RAV0457R	N	N	<5	15	<5	30	N	<20	7	10	N	<5	N	N	30
RAV0683R	N	N	10	150	<5	70	<5	<20	30	10	N	15	N	N	150
RAV0900R	N	N	15	150	5	50	<5	<20	50	10	N	10	N	N	100
RAV0901R	N	N	7	150	<5	50	N	<20	30	10	N	10	N	<100	100
RAV0902R	N	N	5	100	<5	30	N	<20	30	10	N	10	N	<100	100
RAV0903R	N	N	10	150	<5	70	N	<20	30	<10	N	20	N	N	100
RAV0904R	N	N	15	150	7	50	N	<20	50	<10	N	15	N	<100	70
RAV0905R	N	N	15	150	30	50	<5	<20	50	10	N	15	N	<100	100
RAV0906R	N	N	15	70	10	70	N	<20	20	<10	N	7	N	N	50
RAV0911R	N	N	<5	70	<5	20	N	N	15	10	N	5	N	<100	30
RAV0912R	N	N	N	30	N	20	N	N	<5	<10	N	<5	N	<100	10
RAV1227R	N	N	7	100	<5	30	N	<20	15	15	N	7	N	N	70
RAV1228R	N	N	10	100	<5	30	N	<20	50	15	N	10	N	N	70
RAV1229R	N	N	5	15	<5	30	N	<20	10	20	N	5	N	N	20
RAV1230R	N	N	<5	15	<5	20	N	N	7	15	N	<5	N	N	10
RAV1231R	N	N	<5	15	<5	20	N	N	7	10	N	5	N	N	15
RAV1232R	N	N	<5	10	<5	20	N	<20	5	20	N	5	N	200	30
RAV1236R	N	N	7	100	<5	50	N	<20	20	10	N	7	N	<100	50
RAV1237R	N	N	10	100	<5	20	N	<20	30	10	N	10	N	N	100
RAV1238R	N	N	10	100	<5	30	N	<20	30	10	N	7	N	N	70
RAV1239R	N	N	7	20	10	20	N	<20	20	10	N	7	N	N	50
RAV1415R	N	N	<5	70	5	70	N	<20	10	10	N	7	N	N	30
RAV1623R	N	N	N	15	7	20	N	<20	7	<10	N	<5	N	N	15
RAV1624R	N	N	<5	150	<5	70	N	<20	15	<10	N	15	N	N	70
RAV1625R	N	N	<5	10	<5	20	N	N	10	<10	N	<5	N	N	30
RAV1626R	N	N	<5	10	<5	50	N	N	10	<10	N	<5	N	N	30
RAV1627R	N	N	10	100	<5	70	N	<20	50	<10	N	10	N	N	100
RAV1628R	N	N	15	100	<5	70	N	<20	30	<10	N	15	N	<100	100
RAV1629R	N	N	7	100	<5	20	N	<20	20	<10	N	10	N	N	100

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1° x 2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
NEM0815R	N	N	N	100	N	--	<1	1	1	.02	<.05	<1	<1
NEM0816R	N	30	N	500	N	--	2	4	3	.02	<.05	<1	<1
NEM0817R	N	<10	N	300	N	--	<1	1	3	<.02	<.05	<1	<1
NEM0818R	N	20	N	300	N	--	2	1	4	.02	<.05	<1	<1
NEM0819R	N	N	N	100	N	--	<1	1	1	<.02	<.05	<1	<1
RAV0131R	N	20	N	300	N	--	N	N	N	<.05	.20	N	N
RAV0293R	N	15	N	100	N	--	1	1	1	<.05	<.05	<1	<1
RAV0294R	N	30	N	300	N	--	<1	1	2	<.05	<.05	<1	<1
RAV0295R	N	<10	N	200	N	--	1	1	1	<.05	<.05	<1	<1
RAV0296R	N	50	N	300	N	--	3	2	2	<.05	<.05	<1	<1
RAV0297R	N	50	N	300	N	--	7	2	4	<.05	.07	<1	<1
RAV0450R	N	20	N	150	N	--	<1	2	2	<.05	<.05	<1	<1
RAV0451R	N	30	N	200	N	--	<1	1	2	<.05	<.05	<1	<1
RAV0452R	N	10	N	100	N	--	<1	1	1	<.05	<.05	<1	<1
RAV0453R	N	20	N	100	N	--	16	3	7	<.05	.12	<1	<1
RAV0454R	N	30	N	150	N	--	<1	1	4	<.05	<.05	1	<1
RAV0457R	N	30	N	200	N	--	<1	2	5	<.05	.05	<1	<1
RAV0683R	N	50	N	700	N	--	<1	1	3	<.02	<.05	<1	<1
RAV0900R	N	50	N	500	N	--	1	1	3	<.02	<.05	<1	<1
RAV0901R	N	50	N	500	N	--	<1	1	5	<.02	<.05	<1	<1
RAV0902R	N	30	N	300	N	--	1	1	4	<.02	.05	<1	<1
RAV0903R	N	30	N	300	N	--	<1	1	3	<.02	<.05	<1	<1
RAV0904R	N	50	N	500	N	--	1	<1	4	<.02	<.05	<1	<1
RAV0905R	N	50	N	500	N	--	7	1	3	<.02	<.05	<1	<1
RAV0906R	N	50	N	500	N	--	4	1	8	<.02	<.05	<1	<1
RAV0911R	N	15	N	300	N	--	<1	1	7	<.02	<.05	<1	<1
RAV0912R	N	<10	N	300	N	--	<1	<1	1	<.02	<.05	<1	<1
RAV1227R	N	20	N	300	--	--	N	2	3	.10	.35	N	N
RAV1228R	N	30	N	500	--	--	1	2	2	<.05	.10	1	N
RAV1229R	N	<10	N	300	--	--	N	1	1	<.05	.08	N	N
RAV1230R	N	10	N	200	--	--	1	1	1	<.05	.09	N	N
RAV1231R	N	<10	N	150	--	--	N	1	1	N	.11	N	N
RAV1232R	N	15	N	100	--	--	1	3	2	N	.16	1	N
RAV1236R	N	30	N	300	--	--	1	1	2	N	.18	N	N
RAV1237R	N	30	N	200	--	--	N	2	2	N	.15	N	N
RAV1238R	N	20	N	300	--	--	N	2	7	N	.17	1	N
RAV1239R	N	20	N	200	--	--	1	N	5	N	.12	N	N
RAV1415R	N	20	N	300	N	--	8	N	1	N	.10	N	N
RAV1623R	N	N	N	100	N	--	<1	1	<1	<.02	<.05	<1	<1
RAV1624R	N	20	N	300	N	--	<1	1	<1	<.02	<.05	<1	<1
RAV1625R	N	10	N	50	N	--	<1	1	1	<.02	<.05	<1	<1
RAV1626R	N	20	N	150	N	--	<1	1	2	<.02	.07	<1	<1
RAV1627R	N	30	N	300	N	--	<1	1	<1	<.02	<.05	<1	<1
RAV1628R	N	50	N	300	N	--	<1	1	1	<.02	<.05	<1	<1
RAV1629R	N	30	N	300	N	--	1	<1	7	<.02	<.05	<1	<1

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
RAV1895R	46 38 25	113 44 14	1.50	.30	.10	.150	70	N	N	N	50	700	3.0
RAV1896M	46 38 25	113 44 15	3.00	.30	.10	.200	300	N	N	N	100	300	5.0
RAV1896M	46 38 25	113 44 15	5.00	.30	.10	.300	500	N	N	N	150	500	7.0
RAV1922R	46 30 6	113 41 30	3.00	1.00	.70	.300	500	N	N	N	500	1,500	2.0
RAV1932R	46 31 22	113 44 5	3.00	1.50	1.00	.300	150	N	N	N	150	700	3.0
RAV1933R	46 31 13	113 43 19	3.00	1.00	.20	.300	70	N	N	N	300	700	3.0
RAV1934R	46 31 9	113 42 43	2.00	.70	.20	.500	70	N	N	N	150	700	2.0
RAV1935R	46 31 23	113 42 12	2.00	1.50	1.00	.300	700	N	N	N	100	500	2.0
RAV1936R	46 31 32	113 41 47	2.00	.70	.30	.300	200	N	N	N	100	500	2.0
RAV1937R	46 31 46	113 42 11	5.00	1.50	.50	.500	300	N	N	N	200	1,000	2.0
RAV1938R	46 32 16	113 42 43	3.00	1.00	1.00	.300	700	N	N	N	200	700	2.0
RAV1987M	46 34 47	113 34 15	7.00	.50	<.05	.010	1,500	5.0	N	N	30	5,000	<1.0
RAV1988R	46 34 47	113 34 9	5.00	.10	<.05	.002	300	7.0	N	N	10	500	1.0
RAV1989R	46 34 47	113 34 9	1.50	.15	.05	.100	50	N	N	N	300	500	1.5
RAV1991M	46 35 15	113 34 55	1.50	.15	N	.150	15	N	N	N	100	300	2.0
RAV1992R	46 35 14	113 34 55	15.00	<.02	<.05	.002	70	N	3,000	N	N	>5,000	7.0
RAV1993R	46 35 14	113 34 55	3.00	.50	.07	.300	100	N	N	N	300	1,000	3.0
RAV1994R	46 35 41	113 36 2	10.00	.50	.20	.200	100	<.5	10,000	N	300	200	1.0
RAV1995R	46 35 41	113 36 2	2.00	.50	.30	.200	70	<.5	N	N	300	150	1.0
RAV1996R	46 35 41	113 36 2	5.00	1.00	2.00	.150	200	N	5,000	N	200	150	1.5
RAV2817R	46 33 2	113 36 36	1.00	.20	.05	.200	70	N	N	N	200	700	1.5
RAV2819R	46 32 53	113 35 54	1.50	.30	.07	.100	100	N	N	N	300	700	1.5
RAV2820R	46 32 57	113 34 53	1.00	.30	.07	.100	50	N	N	N	1,000	1,000	1.0
RAV2823M	46 31 22	113 34 7	7.00	.20	.05	.150	50	<.5	N	N	30	1,000	2.0
RAV2826R	46 31 12	113 34 34	1.50	.20	<.05	.100	15	N	N	N	10	700	1.5
RAV2827R	46 31 55	113 33 55	3.00	1.50	1.00	.300	700	N	N	N	N	1,000	1.5
RAV2828R	46 32 34	113 34 1	.70	.20	.07	.050	100	<.5	N	N	300	500	<1.0
RAV2829R	46 34 54	113 34 42	1.00	.30	.07	.500	50	N	N	N	300	500	1.5
RAV2830M	46 34 50	113 34 42	7.00	<.02	<.05	.003	150	N	N	N	10	5,000	1.0
RAV2831R	46 35 7	113 35 28	2.00	.20	.05	.150	100	N	N	N	150	500	3.0
RAV2911R	46 39 11	113 39 46	3.00	1.00	.10	.300	70	N	N	N	300	700	1.5
RAV2912R	46 38 59	113 40 46	3.00	.70	.10	.500	70	N	N	N	500	1,000	5.0
RAV2913R	46 39 1	113 41 5	3.00	.70	.10	.300	70	N	N	N	300	1,000	3.0
RAV2914R	46 38 48	113 41 10	3.00	1.00	.10	.500	100	N	N	N	300	700	2.0
RAV2917R	46 39 16	113 40 22	3.00	.50	.10	.300	100	N	N	N	500	1,000	3.0
RAV2921R	46 32 4	113 35 21	2.00	1.00	.50	.300	300	N	N	N	300	1,000	3.0
RAV2930R	46 31 51	113 37 33	3.00	1.50	.20	.300	300	N	N	N	300	1,000	2.0
RAV2954R	46 41 16	113 36 50	2.00	1.00	3.00	.200	500	<.5	N	N	20	1,500	3.0
RAV3900R	46 37 20	113 34 46	3.00	.50	.10	.200	70	N	N	N	300	700	2.0
RAV3901R	46 37 20	113 34 46	3.00	1.00	.15	.300	100	N	N	N	300	2,000	3.0

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA (continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V
RAV1895R	N	N	5	20	<5	<20	N	<20	7	10	N	<5	N	N	30
RAV1896M	N	N	7	20	<5	20	N	<20	15	10	N	7	N	N	50
RAV1896M	N	N	7	20	5	20	N	<20	30	10	N	7	N	N	50
RAV1922R	N	N	7	100	<5	50	N	<20	30	15	N	7	N	N	100
RAV1932R	N	N	5	70	<5	30	N	<20	20	15	N	7	N	N	70
RAV1933R	N	N	5	100	<5	50	N	<20	30	10	N	7	N	N	70
RAV1934R	N	N	<5	100	<5	30	N	<20	10	10	N	7	N	N	70
RAV1935R	N	N	7	70	<5	20	N	<20	15	<10	N	7	N	<100	50
RAV1936R	N	N	7	100	<5	20	N	<20	15	<10	N	7	N	N	50
RAV1937R	N	N	15	150	<5	50	N	<20	50	<10	N	10	N	N	100
RAV1938R	N	N	7	50	<5	70	N	<20	15	<10	N	7	N	<100	50
RAV1987M	N	N	10	<10	15	20	15	<20	15	500	N	<5	N	<100	<10
RAV1988R	N	N	10	15	500	20	150	N	7	700	N	N	N	N	<10
RAV1989R	N	N	N	15	20	<20	N	N	5	20	N	N	N	N	30
RAV1991M	N	N	<5	<10	7	30	<5	N	5	<10	N	<5	N	N	20
RAV1992R	10	N	5	10	50	N	20	N	20	20	100	N	N	1,000	10
RAV1993R	N	N	<5	50	15	20	N	N	10	10	N	7	N	N	50
RAV1994R	150	N	10	30	15	100	10	N	30	50	N	15	N	N	100
RAV1995R	N	N	30	15	15	100	N	<20	20	<10	N	7	10	N	70
RAV1996R	10	N	7	15	15	50	20	<20	10	10	N	10	<10	N	70
RAV2817R	N	N	<5	20	<5	30	N	<20	7	20	N	5	N	N	30
RAV2819R	N	N	<5	30	15	50	N	N	10	30	N	5	N	N	20
RAV2820R	N	N	<5	15	<5	<20	N	N	5	20	N	<5	N	N	15
RAV2823M	N	N	70	10	15	<20	50	<20	30	30	N	5	N	N	30
RAV2826R	N	N	N	20	7	20	N	<20	5	20	N	5	N	N	30
RAV2827R	N	N	7	70	30	30	N	<20	10	30	N	7	N	N	50
RAV2828R	N	N	<5	15	100	20	N	N	7	70	N	5	N	N	15
RAV2829R	N	N	5	70	20	30	N	<20	15	20	N	7	N	N	70
RAV2830M	N	N	7	<10	20	N	10	<20	15	30	N	N	N	N	<10
RAV2831R	N	N	<5	15	<5	20	N	<20	10	20	N	5	N	N	30
RAV2911R	N	N	7	70	20	50	N	<20	30	10	N	10	N	N	70
RAV2912R	N	N	7	70	7	30	N	<20	15	<10	N	10	N	N	50
RAV2913R	N	N	7	100	5	30	N	<20	20	<10	N	10	N	N	50
RAV2914R	N	N	7	70	20	20	N	N	10	<10	N	7	N	N	50
RAV2917R	N	N	7	100	20	20	N	<20	30	<10	N	7	N	N	50
RAV2921R	N	N	7	100	7	30	N	<20	20	15	N	7	N	N	50
RAV2930R	N	N	20	150	<5	50	N	<20	30	10	N	10	N	<100	50
RAV2954R	N	N	5	15	7	100	N	<20	5	70	N	5	N	N	30
RAV3900R	N	N	30	70	<5	50	N	<20	15	10	N	7	N	N	30
RAV3901R	N	N	70	70	15	50	7	<20	30	15	N	7	N	N	50

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE1. ROCK SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE,MONTANA(continued)

SAMPLE	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AU	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
RAV1895R	N	50	N	150	N	--	N	N	N	N	<.05	N	1
RAV1896M	N	20	N	300	N	4.00	3	4	2	<.05	.09	1	3
RAV1896M	N	50	N	300	N	.07	2	2	1	<.05	.06	1	2
RAV1922R	N	30	N	300	N	--	N	1	3	N	.18	N	N
RAV1932R	N	20	N	200	N	--	1	13	3	<.05	.29	N	1
RAV1933R	N	20	N	300	N	--	N	13	1	<.05	.27	N	2
RAV1934R	N	20	N	300	N	--	N	13	1	<.05	.32	N	1
RAV1935R	N	20	N	300	N	--	1	N	2	<.05	.35	N	N
RAV1936R	N	30	N	300	N	--	N	13	4	<.05	.37	N	1
RAV1937R	N	30	N	500	N	--	1	N	4	<.05	.41	N	1
RAV1938R	N	20	N	300	N	--	1	1	7	<.05	.45	N	N
RAV1987M	500	N	500	N	N	<.05	7	470	150	2.38	.23	2	4
RAV1988R	1,500	20	N	<10	N	--	770	1	600	8.30	.16	3	7
RAV1989R	N	10	N	70	N	--	200	11	1	1.20	.10	N	1
RAV1991M	N	10	N	200	N	<.05	3	7	3	.05	.05	1	2
RAV1992R	100	N	N	N	N	--	75	6	2	.55	.20	2	22
RAV1993R	N	20	N	200	N	--	43	2	1	.31	.10	N	N
RAV1994R	N	70	N	300	N	--	24	20	2	.47	.10	36	2
RAV1995R	N	<10	N	300	N	--	1	N	1	.12	.05	1	1
RAV1996R	N	70	N	300	N	--	1	3	4	.14	.21	6	4
RAV2817R	N	10	N	500	N	--	N	N	1	N	.06	N	N
RAV2819R	N	10	N	100	N	--	7	N	1	N	<.05	1	1
RAV2820R	N	<10	N	150	N	--	2	N	1	N	<.05	1	N
RAV2823M	N	15	N	100	N	.71	10	7	5	.57	.11	4	7
RAV2826R	N	<10	N	70	N	--	1	N	N	N	<.05	N	N
RAV2827R	N	30	N	500	N	--	5	N	2	<.05	.08	2	2
RAV2828R	N	15	N	100	N	--	1,000	17	4	1.15	.09	1	1
RAV2829R	N	20	N	300	N	--	4	N	N	N	<.05	1	N
RAV2830M	<50	20	N	N	N	5.30	160	>60,000	13	20.00	.52	7	44
RAV2831R	N	30	N	70	N	--	N	N	1	N	.07	1	1
RAV2911R	N	50	N	300	N	--	8	N	1	N	<.05	N	N
RAV2912R	N	30	N	300	N	--	N	N	1	N	<.05	N	N
RAV2913R	N	30	N	300	N	--	N	N	1	N	<.05	N	N
RAV2914R	N	20	N	300	N	--	7	N	1	N	<.05	1	N
RAV2917R	N	30	N	300	N	--	5	N	2	N	.05	N	N
RAV2921R	N	30	N	300	N	--	N	N	1	N	<.05	N	N
RAV2930R	N	50	N	300	N	--	N	N	1	N	<.05	N	N
RAV2954R	N	15	N	150	N	--	1	8	3	.07	.09	N	N
RAV3900R	N	30	N	200	N	--	N	N	1	.05	N	N	N
RAV3901R	N	30	N	300	N	--	2	N	1	<.05	N	N	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
BLP0003P	46 58 36	113 50 12	3.00	.50	.15	.300	200	N	N	N	100	300	<2
BLP0005P	46 58 42	113 50 14	5.00	1.00	.20	.700	700	N	N	N	200	700	3
BLP0205P	46 59 22	113 47 3	2.00	.50	<.10	.200	1,000	N	N	N	100	300	2
BLP0207P	46 59 23	113 47 8	5.00	1.00	<.10	.500	700	N	N	N	150	500	3
BLP0209P	46 59 19	113 47 12	5.00	1.00	<.10	.500	500	N	N	N	200	500	5
BLP0211P	46 58 47	113 47 58	2.00	.10	<.10	.500	150	N	N	N	70	150	N
BLP0213P	46 58 31	113 48 22	1.50	.50	.10	.150	300	N	N	N	70	300	3
BLP0215P	46 58 27	113 48 35	5.00	3.00	3.00	.300	700	N	N	N	70	500	<2
BLP0217P	46 58 31	113 48 44	2.00	.70	<.10	.200	300	N	N	N	70	500	2
BLP0219P	46 58 24	113 48 57	3.00	.70	.20	.200	200	N	N	N	20	500	<2
BLP0221P	46 58 24	113 49 19	3.00	.70	.15	.300	300	N	N	N	70	1,000	3
BLP0563P	46 53 16	113 50 37	3.00	.70	.20	2.000	500	N	N	N	300	700	2
BLP0564P	46 53 19	113 50 27	5.00	1.00	.15	.700	150	N	N	N	500	700	3
BLP0566P	46 53 30	113 49 49	5.00	.70	.10	.700	500	N	N	N	150	700	3
BLP0568P	46 54 1	113 47 48	3.00	.70	.10	.700	500	N	N	N	200	500	3
BLP0570P	46 54 19	113 45 4	3.00	.70	.10	.700	300	N	N	N	200	700	3
BLP0578P	46 52 36	113 52 10	10.00	1.50	1.00	2.000	1,500	N	N	N	200	700	2
BLP1488P	46 55 52	113 45 17	3.00	.50	.10	.700	150	2.0	N	N	150	300	3
BLP1490P	46 55 54	113 45 15	1.00	.30	<.10	.150	70	N	N	N	150	1,000	<2
BLP1492P	46 56 26	113 45 55	3.00	1.50	.20	.700	300	<1.0	N	N	200	700	3
BLP1494P	46 56 29	113 46 32	1.00	.30	<.10	.300	100	N	N	N	100	500	<2
BLP1496P	46 56 29	113 46 34	1.50	.30	<.10	.200	100	1.0	N	N	70	700	<2
BLP1498P	46 57 28	113 45 23	5.00	2.00	.20	.700	700	N	N	N	700	1,500	7
BLP1863P	46 58 35	113 50 6	2.00	.70	.20	.300	300	N	N	N	150	700	2
BLP1865P	46 58 52	113 50 8	3.00	1.50	.15	.700	700	N	N	N	300	700	3
BLP1941P	46 58 2	113 51 53	5.00	.70	.10	.700	300	N	N	N	200	500	2
BLP1943P	46 57 59	113 51 48	3.00	1.00	.15	1.500	500	N	N	N	300	500	<2
BLP1946P	46 58 7	113 52 0	3.00	.70	.15	.700	1,000	N	N	N	200	1,000	5
BLP1949P	46 55 39	113 50 39	3.00	.70	<.10	.500	150	N	N	N	200	500	3
BLP1951P	46 55 37	113 50 38	5.00	1.50	.15	.700	500	N	N	N	500	700	5
BLP2809P	46 53 5	113 47 57	5.00	1.50	.15	.700	300	N	N	N	300	700	3
BLP2811P	46 53 5	113 48 5	5.00	1.00	.15	.700	300	N	N	N	300	1,000	3
BLP2813P	46 53 15	113 46 52	7.00	1.50	.70	1.500	700	N	N	N	300	700	5
BLP2815P	46 53 44	113 46 12	3.00	.50	<.10	.500	150	N	N	N	200	700	2
BON1480P	46 48 34	113 46 2	3.00	.70	.20	.700	500	N	N	N	500	1,000	3
BON1482P	46 49 59	113 46 19	30.00	.70	1.00	>2.000	2,000	N	N	N	300	700	N
BON1484P	46 50 4	113 46 10	15.00	3.00	5.00	>2.000	1,500	N	N	N	300	700	2
BON1486P	46 49 40	113 46 1	20.00	3.00	5.00	>2.000	3,000	N	N	N	200	700	N
BON1530P	46 49 19	113 47 57	20.00	2.00	.30	>2.000	2,000	N	N	N	300	700	<2
BON1532P	46 49 41	113 48 29	30.00	3.00	7.00	>2.000	3,000	N	N	N	20	150	N
BON1534P	46 50 13	113 48 39	10.00	1.00	1.50	>2.000	1,500	<1.0	N	N	300	700	2
BON1536P	46 50 33	113 49 19	5.00	.70	.30	1.000	300	N	N	N	500	1,000	5
BON1540P	46 50 29	113 51 26	5.00	1.50	.30	1.000	1,000	N	N	N	500	1,500	7
BON1543P	46 49 52	113 50 26	3.00	.70	.30	.700	300	N	N	N	200	1,000	5
BON1547P	46 48 6	113 47 41	5.00	1.00	.20	1.000	500	N	N	N	500	1,500	7

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
BLP0003P	N	N	10	30	N	200	N	<50	10	20	N	10	N	N	70	N
BLP0005P	N	N	10	30	15	70	N	<50	20	<20	N	15	N	<200	100	N
BLP0205P	N	N	15	20	<10	70	<10	N	10	<20	N	<10	N	N	70	N
BLP0207P	N	N	10	70	<10	70	N	<50	30	<20	N	15	N	N	70	N
BLP0209P	N	N	15	70	<10	70	<10	<50	20	20	N	15	N	<200	70	N
BLP0211P	N	N	<10	20	N	50	N	<50	<10	<20	N	<10	N	N	50	N
BLP0213P	N	N	15	30	<10	50	N	<50	30	<20	N	N	N	N	30	N
BLP0215P	N	N	20	500	10	50	N	N	150	<20	N	20	N	300	150	N
BLP0217P	N	N	N	20	<10	50	N	N	15	20	N	10	N	N	70	N
BLP0219P	N	N	10	30	<10	50	N	N	20	20	N	10	N	N	50	N
BLP0221P	N	N	<10	30	<10	50	<10	<50	15	20	N	15	N	N	70	N
BLP0563P	N	N	10	20	10	70	N	<50	20	30	N	10	N	N	100	N
BLP0564P	N	N	10	100	<10	70	N	<50	30	20	N	10	N	N	100	N
BLP0566P	N	N	10	50	10	70	N	<50	20	100	N	10	N	N	100	N
BLP0568P	N	N	10	100	10	70	N	<50	15	30	N	10	N	<200	100	N
BLP0570P	N	N	15	70	20	70	N	<50	30	20	N	10	N	<200	100	N
BLP0578P	N	N	20	150	50	70	N	<50	30	20	N	15	N	<200	300	N
BLP1488P	N	N	10	20	<10	50	N	<50	15	30	N	10	N	N	70	N
BLP1490P	N	N	<10	20	<10	50	N	N	10	20	N	<10	N	N	30	N
BLP1492P	N	N	30	30	15	100	N	<50	15	30	N	10	N	N	70	N
BLP1494P	N	N	<10	30	<10	50	N	N	10	20	N	10	N	N	30	N
BLP1496P	N	N	<10	20	<10	50	N	<50	10	20	N	<10	N	N	50	N
BLP1498P	N	N	10	150	30	50	N	<50	100	20	N	10	N	N	100	N
BLP1863P	N	N	10	70	<10	70	N	<50	20	20	N	N	N	<200	70	N
BLP1865P	N	N	10	50	10	70	N	<50	30	30	N	10	N	<200	150	N
BLP1941P	N	N	10	150	20	70	N	<50	20	20	N	10	N	N	100	N
BLP1943P	N	N	15	70	15	70	N	<50	15	20	N	10	N	N	100	N
BLP1946P	N	N	15	100	10	50	N	<50	20	20	N	10	N	N	100	N
BLP1949P	N	N	10	100	<10	50	N	<50	15	<20	N	10	N	N	70	N
BLP1951P	N	N	20	200	20	70	N	<50	70	20	N	20	N	N	100	N
BLP2809P	N	N	<10	50	<10	50	N	<50	20	20	N	10	N	N	100	N
BLP2811P	N	N	10	100	10	70	N	<50	20	20	N	10	N	N	150	N
BLP2813P	N	N	20	70	20	100	N	<50	30	20	N	10	N	N	200	N
BLP2815P	N	N	10	70	<10	100	N	<50	10	20	N	10	N	N	70	N
BON1480P	N	N	15	100	10	50	N	<50	10	50	N	10	N	N	70	N
BON1482P	N	N	20	200	100	<50	N	<50	20	50	N	15	N	N	500	N
BON1484P	N	N	20	150	70	50	N	<50	50	20	N	20	N	<200	500	N
BON1486P	N	N	50	300	100	N	N	<50	50	30	N	30	N	<200	1,000	N
BON1530P	N	N	30	70	70	<50	N	<50	30	100	N	30	200	<200	500	N
BON1532P	N	N	300	300	150	N	N	<50	100	20	N	100	N	N	1,500	N
BON1534P	N	N	100	100	30	50	N	<50	20	30	N	15	N	N	300	N
BON1536P	N	N	100	100	15	50	N	<50	20	20	N	15	N	N	150	N
BON1540P	N	N	15	50	30	50	N	<50	20	70	N	10	N	N	100	N
BON1543P	N	N	10	100	20	50	N	<50	15	30	N	10	N	N	70	N
BON1547P	N	N	15	70	20	50	N	<50	30	30	N	10	N	N	150	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
BLP0003P	150	N	1,500	--	<.020
BLP0005P	50	N	300	--	<.020
BLP0205P	<20	N	200	--	.080
BLP0207P	50	N	300	--	<.020
BLP0209P	50	N	700	--	<.020
BLP0211P	200	N	1,500	--	<.020
BLP0213P	<20	N	700	--	<.020
BLP0215P	50	N	150	--	<.020
BLP0217P	50	N	150	--	<.020
BLP0219P	20	N	100	--	<.020
BLP0221P	70	N	300	--	<.020
BLP0563P	20	N	700	N	.540
BLP0564P	70	N	300	N	<.020
BLP0566P	30	N	500	N	<.020
BLP0568P	20	N	700	N	.030
BLP0570P	50	N	700	N	<.020
BLP0578P	50	N	500	N	<.020
BLP1488P	50	N	200	N	<.020
BLP1490P	30	N	700	N	<.020
BLP1492P	50	N	700	N	<.020
BLP1494P	150	N	700	N	<.020
BLP1496P	<20	N	700	N	<.020
BLP1498P	50	N	700	N	<.020
BLP1863P	20	N	300	N	<.020
BLP1865P	30	N	500	N	<.020
BLP1941P	70	N	1,000	N	<.020
BLP1943P	50	N	1,000	N	.050
BLP1946P	30	N	500	N	<.020
BLP1949P	30	N	700	N	.020
BLP1951P	20	N	200	N	<.020
BLP2809P	30	N	500	N	<.020
BLP2811P	50	N	700	N	<.020
BLP2813P	50	N	700	N	<.020
BLP2815P	50	N	1,500	N	<.020
BON1480P	30	N	700	N	<.020
BON1482P	50	N	700	N	<.020
BON1484P	50	N	500	N	<.020
BON1486P	50	N	500	N	<.020
BON1530P	50	N	700	N	<.020
BON1532P	70	N	500	N	<.020
BON1534P	30	N	500	N	<.020
BON1536P	50	N	700	N	<.020
BON1540P	50	N	500	N	<.020
BON1543P	50	N	700	N	<.020
BON1547P	50	N	500	N	<.020

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
BON1551P	46 48 35	113 51 19	2.00	.50	.15	.700	300	<1.0	N	N	300	5,000	3
BON1553P	46 48 38	113 51 20	5.00	.70	.10	.700	700	N	N	N	700	7,000	3
BON1557P	46 47 2	113 50 15	3.00	1.00	.20	.700	300	N	N	N	500	2,000	7
BON1559P	46 46 48	113 49 34	3.00	1.00	.10	.700	300	N	N	N	500	2,000	5
BON1562P	46 45 49	113 49 2	2.00	1.00	.10	.700	200	N	N	N	500	2,000	5
BON1564P	46 46 27	113 46 43	3.00	1.00	.15	.700	1,500	N	N	N	200	2,000	7
CLE0058P	46 36 37	113 46 42	10.00	.70	1.50	.500	300	N	N	N	150	700	3
CLE0059P	46 36 31	113 46 50	7.00	.70	1.00	.500	500	N	N	N	100	500	3
CLE0061P	46 36 19	113 47 0	10.00	.70	.70	.700	300	N	N	N	300	700	3
CLE1476P	46 44 30	113 54 59	7.00	1.50	.20	2.000	700	N	N	N	500	1,000	5
CLE1567P	46 34 47	113 45 10	5.00	1.00	.20	.700	300	N	N	N	300	700	5
CLE1885P	46 39 37	113 47 37	3.00	.70	.20	.700	200	N	N	N	300	500	3
CLE1887P	46 39 44	113 47 37	5.00	.70	.15	.700	150	N	N	N	300	500	3
CLE1930P	46 30 50	113 45 2	3.00	.50	.10	.700	150	N	N	N	70	300	5
CLE2802P	46 34 54	113 48 4	3.00	3.00	2.00	.700	300	N	N	N	100	100	<2
CLE2835P	46 32 4	113 53 24	10.00	.50	3.00	1.500	2,000	N	N	N	20	300	3
CLE2837P	46 31 10	113 52 23	1.50	.50	.70	.300	300	N	N	N	100	500	3
CLE2839P	46 30 22	113 51 24	1.00	.15	<.10	.200	50	N	N	N	150	200	2
CLE2841P	46 30 55	113 50 27	1.50	.30	.15	.200	500	N	N	N	70	300	3
CLE2849P	46 32 39	113 55 27	30.00	.30	5.00	1.000	2,000	N	N	N	20	500	<2
CLE2851P	46 32 39	113 55 27	30.00	.20	3.00	1.500	2,000	N	N	N	<20	200	<2
CLE2852P	46 32 40	113 48 58	1.50	.30	.50	.500	200	N	N	N	20	700	3
CLE2854P	46 32 35	113 49 4	3.00	.30	5.00	.700	700	N	N	N	20	2,000	3
CLE2867P	46 36 25	113 55 47	10.00	.70	7.00	1.500	1,500	N	N	N	50	700	3
CLE2869P	46 37 6	113 55 9	30.00	2.00	7.00	1.500	1,500	N	N	N	500	500	<2
CLE2873P	46 37 12	113 53 33	7.00	.70	15.00	.700	1,000	N	N	N	150	300	2
CLE2876P	46 36 1	113 50 34	.70	.50	.30	.500	200	N	N	N	50	150	2
CLE2878P	46 36 7	113 50 24	2.00	.70	2.00	.500	300	N	N	N	50	1,000	3
CLE2880P	46 37 6	113 55 9	20.00	2.00	5.00	1.500	2,000	7.0	N	N	50	300	<2
CLE2882P	46 38 48	113 57 51	7.00	1.00	3.00	1.000	1,000	<1.0	N	N	30	700	5
CLE2965P	46 42 32	113 46 17	2.00	1.50	1.50	.300	300	N	N	N	200	1,000	3
CLE2969P	46 41 51	113 47 10	7.00	3.00	7.00	1.000	1,000	N	N	N	150	300	2
CLE2971P	46 41 58	113 48 2	10.00	3.00	5.00	2.000	1,500	N	N	N	150	300	2
CLE2973P	46 42 7	113 48 36	7.00	2.00	2.00	1.000	1,000	N	N	N	300	300	2
CLE2977P	46 44 28	113 47 34	3.00	1.00	.15	.700	300	N	N	N	500	3,000	5
CLE3831P	46 39 8	113 56 38	5.00	3.00	3.00	1.500	500	N	N	N	150	300	7
CLE3833P	46 39 9	113 56 2	3.00	3.00	7.00	1.000	700	N	N	N	N	200	5
CLE3839P	46 40 4	113 51 52	10.00	1.50	3.00	>2.000	1,500	N	N	N	200	300	3
CLE3841P	46 40 10	113 52 1	15.00	2.00	3.00	>2.000	2,000	N	N	N	150	300	<2
CLE3843P	46 38 7	113 50 52	5.00	.70	.20	.700	200	N	N	N	300	1,000	5
CLE3845P	46 38 1	113 50 55	5.00	.70	.20	.700	200	N	N	N	200	1,000	7
CLE3850P	46 38 48	113 58 5	30.00	1.00	3.00	>2.000	2,000	N	N	N	150	300	2
CLE3852P	46 35 22	113 56 1	30.00	.20	5.00	2.000	2,000	N	N	N	<20	300	<2
CLE3860P	46 34 49	113 51 54	1.50	.20	.70	.300	200	N	N	N	50	700	3
CLE3864P	46 41 7	113 58 7	7.00	1.00	.30	1.000	150	N	N	N	300	3,000	5

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
B0N1551P	N	N	<10	30	<10	50	N	<50	20	20	N	10	N	N	70	N
B0N1553P	N	N	10	150	<10	50	N	<50	30	20	N	10	N	N	100	N
B0N1557P	N	N	10	70	15	50	N	<50	20	20	N	10	N	<200	100	N
B0N1559P	N	N	15	50	15	50	N	<50	20	20	N	10	N	N	100	N
B0N1562P	N	N	N	70	<10	50	N	<50	20	<20	N	10	N	N	70	N
B0N1564P	N	N	15	70	20	70	N	<50	30	30	N	10	N	N	100	N
CLE0058P	N	N	70	50	20	500	N	<50	30	20	N	20	N	<200	150	N
CLE0059P	N	N	<10	30	<10	100	N	<50	15	<20	N	15	N	<200	100	N
CLE0061P	N	N	70	70	50	200	N	<50	20	20	N	15	N	<200	100	N
CLE1476P	N	N	15	100	15	100	N	<50	30	20	N	10	N	N	200	N
CLE1567P	N	N	10	150	10	70	N	<50	20	20	N	10	N	N	100	N
CLE1885P	N	N	20	50	10	100	10	<50	30	<20	N	15	N	N	100	N
CLE1887P	N	N	10	30	15	70	N	N	20	N	N	10	N	N	100	N
CLE1930P	N	N	<10	30	<10	70	N	<50	<10	<20	N	10	N	N	50	N
CLE2802P	N	N	10	70	<10	100	N	<50	30	<20	N	20	N	N	100	N
CLE2835P	N	N	15	50	<10	1,000	N	50	10	50	N	20	N	200	300	N
CLE2837P	N	N	10	50	<10	100	N	<50	15	<20	N	10	N	N	70	N
CLE2839P	N	N	10	50	<10	70	N	<50	<10	<20	N	10	N	N	50	N
CLE2841P	N	N	10	20	<10	70	N	<50	10	<20	N	10	N	N	50	N
CLE2849P	N	N	10	200	15	1,500	N	<50	10	50	N	15	N	500	700	N
CLE2851P	N	N	15	200	15	2,000	N	50	10	50	N	15	N	<200	1,000	N
CLE2852P	N	N	N	70	<10	50	N	N	10	<20	N	10	N	N	50	N
CLE2854P	N	N	N	30	10	200	N	<50	10	50	N	10	N	1,000	70	N
CLE2867P	N	N	10	30	10	700	N	<50	<10	50	N	15	N	1,000	300	N
CLE2869P	N	N	30	200	15	1,000	N	<50	20	20	N	10	N	<200	500	N
CLE2873P	N	N	20	150	10	<50	N	<50	30	<20	N	10	N	N	200	N
CLE2876P	N	N	<10	70	N	50	N	N	10	<20	N	10	N	N	50	N
CLE2878P	N	N	<10	50	10	50	N	N	15	20	N	10	N	500	70	N
CLE2880P	N	N	20	200	10	1,500	N	<50	10	20	N	10	N	<200	300	N
CLE2882P	N	N	15	30	<10	50	N	<50	10	30	N	10	N	300	150	N
CLE2965P	N	N	15	30	<10	1,000	N	<50	20	<20	N	10	N	N	70	N
CLE2969P	N	N	70	200	50	2,000	N	<50	100	70	N	10	N	N	150	N
CLE2971P	N	N	50	300	50	70	N	<50	150	<20	N	20	N	<200	300	N
CLE2973P	N	N	30	200	30	700	N	<50	70	<20	N	10	N	N	200	N
CLE2977P	N	N	15	50	20	100	N	<50	30	<20	N	10	N	N	100	N
CLE3831P	N	N	10	30	10	50	N	<50	20	<20	N	10	N	N	150	N
CLE3833P	N	N	70	100	<10	1,000	N	<50	50	<20	N	10	200	N	100	N
CLE3839P	N	N	20	50	50	<50	N	<50	30	<20	N	15	N	N	300	N
CLE3841P	N	N	50	500	50	50	N	<50	150	20	N	15	N	<200	500	N
CLE3843P	N	N	15	70	<10	50	N	<50	20	<20	N	10	N	N	100	N
CLE3845P	N	N	10	50	15	70	N	<50	20	<20	N	10	N	N	150	N
CLE3850P	N	N	15	200	50	1,500	N	<50	20	30	N	10	N	<200	500	N
CLE3852P	N	N	15	150	10	2,000	N	70	10	50	N	15	N	700	500	N
CLE3860P	N	N	<10	50	N	50	N	<50	10	20	N	<10	N	<200	50	N
CLE3864P	N	N	15	100	15	50	N	<50	20	20	N	10	N	N	150	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
BON1551P	30	N	700	N	<.020
BON1553P	50	N	700	N	<.050
BON1557P	70	N	700	N	<.020
BON1559P	70	N	700	N	<.020
BON1562P	70	N	500	N	<.020
BON1564P	70	N	500	N	<.050
CLE0058P	150	N	1,000	--	.430
CLE0059P	70	N	300	--	.400
CLE0061P	100	N	1,000	--	10.400
CLE1476P	70	N	700	N	<.050
CLE1567P	50	N	700	N	.060
CLE1885P	50	N	700	N	<.020
CLE1887P	30	N	1,000	N	<.020
CLE1930P	20	N	300	N	<.020
CLE2802P	50	N	700	N	.030
CLE2835P	200	N	1,500	N	<.020
CLE2837P	30	N	700	N	<.020
CLE2839P	70	N	1,000	N	<.020
CLE2841P	50	N	700	N	<.020
CLE2849P	300	N	2,000	N	<.050
CLE2851P	500	N	2,000	N	.040
CLE2852P	50	N	700	N	<.050
CLE2854P	50	N	700	N	<.050
CLE2867P	200	N	1,500	N	<.050
CLE2869P	300	N	1,000	N	2.260
CLE2873P	70	N	200	N	.020
CLE2876P	50	N	1,000	N	.020
CLE2878P	50	N	500	N	.010
CLE2880P	150	N	1,000	N	.020
CLE2882P	70	N	700	N	.830
CLE2965P	50	N	150	N	<.050
CLE2969P	70	N	150	N	<.050
CLE2971P	50	N	150	N	<.050
CLE2973P	70	N	200	N	<.050
CLE2977P	50	N	200	N	<.050
CLE3831P	50	N	700	N	<.050
CLE3833P	70	N	500	N	<.050
CLE3839P	100	N	500	N	<.050
CLE3841P	50	N	500	N	.020
CLE3843P	70	N	700	N	.030
CLE3845P	50	N	700	N	.070
CLE3850P	200	N	700	N	.170
CLE3852P	500	N	>2,000	N	.020
CLE3860P	20	N	700	N	<.050
CLE3864P	70	N	700	N	.580

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
CLE3866P	46 41 7	113 58 7	7.00	1.00	.30	1.000	200	N	N	N	500	5,000	5
CLE3868P	46 40 54	113 57 56	5.00	.70	.30	1.000	150	N	N	N	300	7,000	3
CLE3872P	46 43 50	113 59 28	10.00	1.50	2.00	>1.000	1,000	N	N	N	150	500	<2
CLE3878P	46 42 58	113 52 6	3.00	1.50	7.00	.700	700	N	N	N	150	500	3
CLE3881P	46 41 54	113 53 51	5.00	2.00	1.00	1.500	700	N	N	N	500	700	2
CLE3883P	46 42 19	113 54 51	5.00	1.50	1.00	1.500	700	N	N	N	500	700	3
CLE3886P	46 44 9	113 52 29	3.00	2.00	5.00	.500	700	N	N	N	150	1,000	3
CLE3890P	46 43 23	113 55 29	3.00	1.50	.30	.700	300	N	N	N	500	1,000	5
CLE3892P	46 43 18	113 54 12	1.50	1.00	2.00	.300	200	N	N	N	150	700	2
CLE3894P	46 43 14	113 54 20	5.00	1.50	.70	1.000	700	N	N	N	300	700	3
CLE3896P	46 44 19	113 55 54	5.00	1.50	.50	1.000	500	N	N	N	500	1,000	5
CLI3929P	46 47 28	113 40 8	3.00	1.50	2.00	1.000	700	N	N	N	50	1,500	3
CLI3936P	46 46 39	113 39 13	15.00	1.50	1.50	>2.000	2,000	N	N	N	200	1,500	2
CLI3946P	46 48 49	113 37 42	30.00	1.00	3.00	1.500	1,000	N	N	N	N	1,500	<2
CLI3953P	46 47 16	113 42 57	1.00	.50	<.10	.300	100	N	N	N	150	700	2
CLI3955P	46 48 16	113 43 0	3.00	1.00	.20	.500	700	N	N	N	300	700	5
CLI3957P	46 48 14	113 43 13	2.00	1.00	.15	.500	300	N	N	N	300	700	3
CLI3961P	46 49 49	113 42 56	2.00	.70	.15	.700	150	N	N	N	300	700	3
CLI3963P	46 49 50	113 43 0	2.00	.50	.50	.300	300	N	N	N	150	1,000	5
CLI3966P	46 50 49	113 40 58	2.00	.70	.50	.500	200	2.0	N	N	100	2,000	3
CLI3968P	46 51 40	113 42 9	3.00	1.00	.20	.700	700	N	N	N	500	700	5
CLI4911P	46 50 37	113 37 58	3.00	1.00	.50	.500	200	N	N	N	200	1,000	3
CLI4913P	46 50 40	113 37 34	5.00	1.00	.70	.700	300	N	N	N	500	700	3
CLI4918P	46 51 18	113 38 21	2.00	.50	.30	.500	300	N	N	N	30	1,500	2
MIN3805P	46 45 26	113 34 26	3.00	.70	.15	.700	700	N	N	N	300	1,500	5
MIN3806P	46 45 40	113 33 56	3.00	2.00	20.00	.500	500	N	N	N	150	1,000	3
MIN3815P	46 46 17	113 31 14	3.00	3.00	7.00	.700	700	15.0	N	N	200	700	5
MIN3819P	46 45 33	113 35 48	5.00	2.00	.30	.700	1,500	N	N	N	500	>10,000	10
MIN3975P	46 48 25	113 31 1	1.50	3.00	50.00	.150	300	<1.0	N	N	100	200	<2
MIN3985P	46 46 8	113 37 17	5.00	1.00	.30	.700	300	N	N	N	1,000	1,000	5
MIN3987P	46 46 7	113 37 17	3.00	.70	.20	.500	700	N	N	N	300	700	5
MIN3990P	46 50 16	113 32 44	3.00	.70	.20	.500	>10,000	N	N	N	200	5,000	5
MIN3997P	46 48 46	113 35 15	5.00	.70	.20	.700	700	N	N	N	700	1,000	5
MIN4900P	46 49 15	113 35 41	10.00	1.00	1.50	.700	1,500	N	N	N	<20	3,000	2
MIN4902P	46 49 21	113 35 44	15.00	1.00	2.00	.700	>10,000	70.0	N	N	100	>10,000	<2
MIN4904P	46 49 22	113 35 58	10.00	1.00	2.00	.700	1,500	<1.0	N	N	70	3,000	2
MIN4908P	46 50 32	113 35 50	5.00	.50	.50	.500	700	N	N	N	150	2,000	3
MIN4921P	46 48 29	113 30 50	5.00	1.00	.50	.700	700	N	N	N	700	700	7
NEM0013P	46 55 20	113 54 1	7.00	1.50	1.00	1.500	1,500	N	N	N	500	1,000	3
NEM0032P	46 57 41	113 53 38	1.00	.50	<.10	.200	150	N	N	N	70	300	<2
NEM0223P	46 58 16	113 56 36	7.00	1.00	.70	2.000	1,000	N	N	N	150	700	2
NEM0225P	46 58 18	113 56 39	10.00	1.50	.70	>2.000	1,500	N	N	N	50	1,000	3
NEM0228P	46 59 57	113 57 2	5.00	1.00	.10	.500	300	N	N	N	300	70	3
NEM0231P	46 58 42	113 55 20	3.00	.70	<.10	.300	300	N	N	N	150	300	3
NEM0234P	46 59 21	113 54 27	1.50	.50	N	.200	200	N	N	N	70	300	<2

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
CLE3866P	N	N	10	200	20	50	N	<50	20	30	N	10	N	N	150	N
CLE3868P	N	N	<10	30	<10	100	N	<50	20	20	N	10	N	N	100	N
CLE3872P	N	N	30	200	50	70	N	<50	50	20	N	15	N	<200	300	N
CLE3878P	N	N	15	70	10	50	N	<50	20	20	N	10	N	N	70	N
CLE3881P	N	N	20	100	30	100	N	<50	70	<20	N	10	N	N	200	N
CLE3883P	N	N	15	50	30	70	N	<50	30	<20	N	10	N	N	200	N
CLE3886P	N	N	20	50	30	150	N	<50	20	20	N	10	N	N	100	N
CLE3890P	N	N	15	50	10	50	N	<50	20	20	N	10	N	N	100	N
CLE3892P	N	N	<10	30	<10	300	N	<50	20	20	N	10	N	N	70	N
CLE3894P	N	N	15	70	15	200	N	<50	30	20	N	10	N	N	150	N
CLE3896P	N	N	15	50	15	150	N	<50	20	20	N	10	N	N	200	N
CLI3929P	N	N	15	70	150	100	N	<50	50	50	N	10	N	1,000	100	N
CLI3936P	N	N	20	150	100	70	N	<50	50	70	N	15	N	500	500	N
CLI3946P	N	N	50	1,000	70	700	N	<50	200	200	N	15	N	500	700	N
CLI3953P	N	N	<10	20	<10	50	N	<50	15	50	N	<10	N	N	50	N
CLI3955P	N	N	15	70	15	50	N	<50	20	30	N	10	N	<200	100	N
CLI3957P	N	N	<10	70	10	50	N	<50	20	50	N	10	N	N	100	N
CLI3961P	N	N	<10	70	<10	50	N	<50	20	50	N	10	N	N	100	N
CLI3963P	N	N	10	50	<10	50	N	<50	30	50	N	10	N	300	70	N
CLI3966P	N	N	<10	50	<10	50	N	<50	30	50	N	10	N	700	70	N
CLI3968P	N	N	<10	100	10	50	N	<50	30	30	N	10	N	N	100	N
CLI4911P	N	N	<10	70	10	50	N	<50	20	50	N	10	N	<200	100	N
CLI4913P	N	N	10	200	15	50	N	<50	70	100	N	10	N	<200	100	N
CLI4918P	N	N	<10	70	10	50	N	<50	20	30	N	N	N	500	70	N
MIN3805P	N	N	10	100	15	50	N	<50	20	20	N	10	N	N	100	N
MIN3806P	N	N	15	500	15	50	N	N	70	30	N	10	N	200	100	N
MIN3815P	N	N	10	200	10	50	N	<50	30	30	N	10	N	<200	70	N
MIN3819P	N	N	15	30	200	50	N	<50	20	50	N	10	N	<200	100	N
MIN3975P	N	N	N	70	10	50	N	<50	15	30	N	<10	N	N	50	N
MIN3985P	N	N	10	200	15	50	N	<50	70	20	N	15	N	N	100	N
MIN3987P	N	N	<10	50	15	50	N	<50	20	20	N	10	N	N	100	N
MIN3990P	N	N	50	50	20	50	N	<50	20	50	N	10	N	N	150	N
MIN3997P	N	N	15	150	30	50	N	<50	50	100	N	10	N	N	100	N
MIN4900P	N	N	20	200	300	100	500	<50	100	1,500	N	15	N	700	300	N
MIN4902P	N	N	30	500	300	200	100	<50	150	1,000	N	10	N	700	500	N
MIN4904P	N	N	20	200	100	200	20	<50	70	150	N	10	N	1,000	200	N
MIN4908P	N	N	15	70	20	50	N	<50	20	70	N	10	N	<200	150	N
MIN4921P	N	N	15	100	30	50	N	<50	50	200	N	15	N	N	150	N
NEM0013P	N	N	15	50	30	50	N	N	20	20	N	20	N	<200	200	N
NEM0032P	N	N	N	30	<10	50	N	N	<10	50	N	<10	N	<200	30	N
NEM0223P	N	N	15	50	50	70	N	<50	20	<20	N	20	N	N	200	N
NEM0225P	N	N	15	30	50	70	N	<50	30	20	N	20	N	<200	300	N
NEM0228P	N	N	15	50	10	70	N	<50	30	<20	N	15	N	N	100	N
NEM0231P	N	N	10	30	<10	70	N	<50	20	<20	N	10	N	N	70	N
NEM0234P	N	N	10	30	<10	70	N	<50	10	<20	N	<10	N	N	50	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
CLE3866P	50	N	700	N	.390
CLE3868P	50	N	700	N	.160
CLE3872P	50	N	700	N	<.050
CLE3878P	30	N	300	N	<.020
CLE3881P	50	N	500	N	<.020
CLE3883P	50	N	700	N	<.020
CLE3886P	50	N	200	N	<.020
CLE3890P	30	N	700	N	<.020
CLE3892P	50	N	200	N	<.020
CLE3894P	200	N	700	N	<.020
CLE3896P	50	N	700	N	<.020
CLI3929P	20	N	700	N	<.050
CLI3936P	70	N	700	N	<.050
CLI3946P	70	N	>2,000	N	.160
CLI3953P	<20	N	200	N	<.020
CLI3955P	20	N	200	N	<.020
CLI3957P	20	N	700	N	<.020
CLI3961P	20	N	700	N	<.020
CLI3963P	50	N	700	N	<.020
CLI3966P	100	N	700	N	<.020
CLI3968P	30	N	700	N	<.020
CLI4911P	20	N	700	N	<.020
CLI4913P	30	N	500	N	<.020
CLI4918P	30	N	700	N	<.020
MIN3805P	30	N	700	N	1.830
MIN3806P	50	N	700	N	.550
MIN3815P	30	N	500	N	<.050
MIN3819P	50	N	500	N	.290
MIN3975P	20	N	50	N	<.020
MIN3985P	50	N	500	N	<.020
MIN3987P	50	N	700	N	<.020
MIN3990P	50	N	500	N	<.020
MIN3997P	50	N	500	N	<.020
MIN4900P	20	N	2,000	N	<.020
MIN4902P	50	10,000	2,000	N	<.020
MIN4904P	20	N	2,000	N	<.020
MIN4908P	20	N	700	N	<.020
MIN4921P	70	N	500	N	<.020
NEM0013P	30	N	500	--	<.020
NEM0032P	20	N	700	--	<.020
NEM0223P	70	N	300	--	<.020
NEM0225P	70	N	500	--	<.020
NEM0228P	70	N	300	--	<.020
NEM0231P	20	N	300	--	<.020
NEM0234P	20	N	500	--	<.020

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
NEM0401P	46 54 54	113 56 3	5.00	.70	.15	.300	700	N	N	N	300	1,000	3
NEM0403P	46 55 9	113 56 28	5.00	.70	.10	.500	700	N	N	N	700	1,000	3
NEM0405P	46 55 52	113 56 43	5.00	1.00	.15	.500	700	N	N	N	700	1,000	5
NEM0407P	46 56 51	113 55 59	10.00	.70	.30	>2.000	1,000	N	N	N	300	500	<2
NEM0409P	46 57 23	113 55 10	3.00	.70	<.10	.300	300	N	N	N	200	500	2
NEM0411P	46 57 10	113 54 42	3.00	1.50	.15	.300	700	N	N	N	500	700	7
NEM0413P	46 57 4	113 55 14	3.00	1.00	.30	.700	500	N	N	N	300	700	3
NEM0580P	46 53 8	113 53 36	7.00	1.50	1.00	2.000	1,000	N	N	N	300	700	2
NEM0582P	46 53 31	113 55 27	5.00	1.00	.30	1.500	1,000	N	N	N	300	1,000	2
NEM0584P	46 54 12	113 53 58	30.00	1.50	3.00	>2.000	5,000	N	N	N	70	300	N
NEM0586P	46 56 9	113 58 50	2.00	.70	7.00	.500	500	N	N	N	200	500	3
NEM0589P	46 56 27	113 58 5	15.00	1.00	.70	>2.000	3,000	N	N	N	300	500	<2
NEM0609P	46 56 51	113 55 59	7.00	.70	.15	1.000	700	N	N	N	150	500	2
NEM0807P	46 57 56	113 57 21	15.00	1.50	1.00	>2.000	2,000	N	N	N	500	1,000	2
NEM0809P	46 57 55	113 57 15	7.00	1.50	.50	.700	1,000	N	N	N	300	700	5
NEM0812P	46 59 58	113 57 4	5.00	.70	.15	.500	700	N	N	N	200	1,000	3
NEM1868P	46 58 49	113 58 46	15.00	1.50	1.00	>2.000	3,000	N	N	N	300	700	<2
NEM1870P	46 58 44	113 58 47	7.00	1.50	.50	1.500	700	N	N	N	500	1,000	3
NEM1939P	46 57 29	113 53 26	3.00	1.00	.15	1.500	300	N	N	N	200	700	2
POM4805P	46 53 14	113 31 56	1.50	.30	.10	.300	300	N	N	N	200	500	2
POM4807P	46 57 17	113 36 21	5.00	1.50	.30	1.000	700	N	N	N	300	700	5
POM4809P	46 57 22	113 37 9	5.00	2.00	.50	1.500	700	2.0	N	N	300	1,000	5
POM4812P	46 57 27	113 34 15	1.50	.70	.15	.500	150	N	N	N	300	500	3
POM4816P	46 59 34	113 35 25	3.00	.70	.10	.500	700	N	N	N	300	1,000	3
POM4817P	46 57 27	113 32 55	5.00	1.00	.20	.700	500	N	N	N	300	1,000	5
POM4831P	46 56 2	113 37 11	3.00	1.00	.20	.700	1,500	N	N	N	500	1,000	3
POM4834P	46 57 49	113 31 8	2.00	.70	.15	.500	300	N	N	N	150	1,000	2
POM4867P	46 56 50	113 31 43	3.00	.70	.15	.700	1,500	N	N	N	300	700	2
POM4882P	46 59 31	113 35 39	5.00	.70	.15	1.000	2,000	N	N	N	300	1,000	5
RAV0455P	46 38 35	113 42 22	3.00	.70	.10	.500	500	N	N	N	150	1,000	5
RAV0459P	46 38 52	113 41 4	7.00	1.00	.10	.700	700	N	N	N	200	1,000	5
RAV0461P	46 39 5	113 40 38	5.00	.70	.15	.700	300	N	N	N	300	1,000	5
RAV0557P	46 38 0	113 36 37	10.00	2.00	3.00	1.000	1,000	N	N	N	500	1,000	5
RAV0559P	46 36 38	113 38 14	7.00	.70	.30	1.500	300	N	N	N	500	700	5
RAV0684P	46 36 47	113 43 25	7.00	1.00	.20	.500	300	N	N	N	500	1,000	3
RAV0908P	46 36 52	113 43 26	7.00	1.00	.15	.500	300	N	N	N	500	1,000	5
RAV0910P	46 36 47	113 43 10	5.00	.70	.15	.300	200	N	N	N	300	700	5
RAV1405P	46 39 31	113 34 39	2.00	1.50	30.00	.500	500	<1.0	N	N	200	700	3
RAV1407P	46 39 28	113 35 37	7.00	2.00	.70	.700	1,500	N	N	N	1,000	1,500	7
RAV1410P	46 39 26	113 36 2	5.00	1.50	.70	.700	700	N	N	N	700	5,000	3
RAV1413P	46 39 27	113 37 2	7.00	1.00	.15	1.000	700	N	N	N	1,000	1,500	7
RAV1446P	46 34 26	113 33 5	15.00	.50	<.10	.700	10,000	20.0	N	70	300	>10,000	5
RAV1448P	46 34 22	113 32 59	10.00	1.00	.50	.700	500	N	N	N	300	1,000	3
RAV1450P	46 34 26	113 32 20	5.00	1.00	.30	.700	300	N	N	N	300	1,000	7
RAV1452P	46 34 43	113 32 9	3.00	.70	.20	.500	300	N	N	N	200	1,500	2

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
NEM0401P	N	N	10	50	<10	70	N	<50	20	20	N	10	N	N	100	N
NEM0403P	N	N	30	50	15	70	N	<50	30	20	N	15	N	N	100	N
NEM0405P	N	N	15	30	<10	70	N	<50	30	20	N	15	N	N	100	N
NEM0407P	N	N	15	50	30	50	N	<50	20	20	N	15	N	N	300	N
NEM0409P	N	N	<10	30	<10	50	N	<50	10	<20	N	10	N	N	70	N
NEM0411P	N	N	10	20	10	70	N	<50	20	30	N	10	N	N	70	N
NEM0413P	N	N	10	30	10	50	N	<50	20	<20	N	15	N	N	100	N
NEM0580P	N	N	20	150	30	70	N	<50	50	30	N	15	N	<200	200	N
NEM0582P	N	N	15	150	10	70	N	<50	20	30	N	10	N	N	150	N
NEM0584P	N	N	50	150	150	<50	N	<50	50	20	N	30	N	<200	700	N
NEM0586P	N	N	10	50	15	50	N	<50	20	30	N	10	N	N	70	N
NEM0589P	N	N	15	50	30	50	N	<50	20	20	N	15	N	N	500	N
NEM0609P	N	N	15	50	10	70	N	<50	10	<20	N	15	N	N	200	N
NEM0807P	N	N	15	50	50	70	N	<50	20	30	N	20	N	N	300	N
NEM0809P	N	N	15	50	30	70	7	<50	30	30	N	15	N	N	200	N
NEM0812P	N	N	15	30	10	70	5	<50	20	30	N	15	N	N	70	N
NEM1868P	N	N	50	70	70	70	N	<50	50	20	N	20	N	<200	500	N
NEM1870P	N	N	20	50	20	70	N	<50	30	20	N	15	N	N	300	N
NEM1939P	N	N	<10	100	10	50	N	<50	10	20	N	10	N	<200	150	N
POM4805P	N	N	N	30	10	50	N	<50	<10	20	N	<10	N	N	70	N
POM4807P	N	N	15	50	30	50	N	<50	30	70	N	15	N	N	300	N
POM4809P	N	N	10	100	50	50	N	<50	50	70	N	20	N	<200	200	N
POM4812P	N	N	<10	20	<10	50	N	N	15	20	N	10	N	N	70	N
POM4816P	N	N	10	20	30	50	N	<50	20	50	N	10	N	N	100	N
POM4817P	N	N	10	70	30	100	N	<50	30	50	N	10	N	N	100	N
POM4831P	N	N	20	50	15	50	N	<50	20	50	N	10	N	<200	100	N
POM4834P	N	N	10	30	15	50	N	N	15	30	N	10	N	N	100	N
POM4867P	N	N	15	100	10	50	N	<50	20	30	N	10	N	N	150	N
POM4882P	N	N	15	100	30	50	N	<50	20	70	N	15	N	N	100	N
RAV0455P	N	N	<10	50	10	70	N	<50	20	<20	N	15	N	N	70	N
RAV0459P	N	N	15	70	30	70	N	<50	30	50	N	20	N	<200	100	N
RAV0461P	N	N	10	50	20	70	N	<50	30	20	N	20	N	N	100	N
RAV0557P	N	N	50	30	70	<50	N	<50	50	30	N	20	N	N	300	N
RAV0559P	N	N	20	70	30	70	N	<50	50	30	N	15	N	N	100	N
RAV0684P	N	N	15	100	10	70	N	<50	30	<20	N	20	N	<200	100	N
RAV0908P	N	N	15	150	<10	70	N	<50	30	<20	N	20	N	N	100	N
RAV0910P	N	N	15	70	<10	150	N	N	20	<20	N	10	N	N	70	N
RAV1405P	N	N	10	70	10	50	N	<50	10	20	N	<10	N	200	70	N
RAV1407P	N	N	15	100	15	50	N	<50	30	20	N	15	N	N	150	N
RAV1410P	N	N	15	70	20	50	N	<50	30	20	N	10	N	N	150	N
RAV1413P	N	N	15	150	10	70	N	<50	30	20	N	20	N	N	150	N
RAV1446P	N	N	30	30	70	<50	10	<50	70	100	N	10	N	<200	70	5,000
RAV1448P	N	N	15	200	20	50	N	<50	30	20	N	10	N	N	150	200
RAV1450P	N	N	15	100	20	70	N	<50	30	<20	N	15	N	N	100	N
RAV1452P	N	N	N	100	<10	50	N	<50	10	20	N	<10	N	N	70	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
NEM0401P	50	N	700	--	<.020
NEM0403P	50	N	500	--	<.020
NEM0405P	70	N	300	--	<.020
NEM0407P	300	N	>2,000	--	<.020
NEM0409P	500	N	300	--	<.020
NEM0411P	50	N	300	--	<.020
NEM0413P	30	N	300	--	<.020
NEM0580P	50	N	500	N	<.020
NEM0582P	50	N	500	N	.720
NEM0584P	50	N	700	N	.020
NEM0586P	30	N	500	N	<.020
NEM0589P	50	N	700	N	<.020
NEM0609P	500	N	700	--	<.020
NEM0807P	50	N	500	--	<.020
NEM0809P	50	N	300	--	<.020
NEM0812P	50	N	300	--	<.020
NEM1868P	100	N	500	N	<.020
NEM1870P	50	N	700	N	<.020
NEM1939P	50	N	500	N	<.020
POM4805P	20	N	700	N	<.020
POM4807P	50	N	700	N	<.020
POM4809P	50	N	700	N	<.020
POM4812P	20	N	500	N	<.020
POM4816P	50	N	700	N	<.020
POM4817P	70	N	700	N	<.020
POM4831P	50	N	700	N	<.020
POM4834P	30	N	700	N	<.020
POM4867P	50	N	500	N	<.020
POM4882P	50	N	700	N	<.050
RAV0455P	50	N	300	--	<.020
RAV0459P	50	N	500	--	<.020
RAV0461P	70	N	500	--	.030
RAV0557P	50	N	300	N	<.020
RAV0559P	70	N	700	N	<.020
RAV0684P	50	N	500	--	<.020
RAV0908P	50	N	500	--	<.020
RAV0910P	50	N	500	--	<.020
RAV1405P	20	N	200	N	<.050
RAV1407P	50	N	700	N	<.050
RAV1410P	500	N	500	N	<.050
RAV1413P	70	N	700	N	<.050
RAV1446P	50	N	700	N	23.590
RAV1448P	70	N	700	N	.030
RAV1450P	50	N	500	N	.050
RAV1452P	<20	N	500	N	<.050

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
RAV1569P	46 34 35	113 44 53	15.00	1.00	2.00	>2.000	1,500	N	N	N	150	700	3
RAV1570P	46 34 15	113 44 30	20.00	1.50	2.00	>2.000	2,000	N	N	N	300	300	<2
RAV1618P	46 30 32	113 37 4	5.00	.70	<.10	.500	100	N	N	N	150	500	<2
RAV1620P	46 30 49	113 36 53	3.00	.70	1.50	.700	1,000	N	N	N	20	700	3
RAV1875P	46 42 44	113 41 6	7.00	1.50	.70	.700	700	N	N	N	500	1,500	5
RAV1879P	46 39 37	113 39 2	3.00	.50	.15	.500	150	N	N	N	300	1,500	2
RAV1883P	46 42 26	113 34 39	5.00	.70	.20	.700	300	N	N	N	200	1,000	5
RAV1923P	46 30 27	113 41 16	5.00	.50	<.10	.700	70	N	N	N	150	300	<2
RAV1925P	46 30 24	113 41 20	5.00	.70	.10	.700	200	N	N	N	200	500	3
RAV1957P	46 34 19	113 44 32	7.00	1.50	2.00	2.000	1,000	N	N	N	100	700	3
RAV1959P	46 34 14	113 44 36	1.50	2.00	3.00	>2.000	3,000	N	N	N	200	300	2
RAV1962P	46 33 47	113 42 14	7.00	1.50	3.00	2.000	1,500	N	N	N	150	700	2
RAV1968P	46 36 39	113 39 23	5.00	1.50	.15	1.000	300	N	N	N	300	1,000	5
RAV1971P	46 39 10	113 39 37	5.00	1.50	.15	.700	300	N	N	N	300	1,000	5
RAV1978P	46 39 39	113 43 52	3.00	.70	.15	.700	150	N	N	N	200	700	3
RAV1980P	46 39 36	113 44 2	5.00	1.00	.15	.700	300	N	N	N	300	1,000	5
RAV1982P	46 40 36	113 43 45	3.00	.70	.15	.500	150	N	N	N	200	700	3
RAV1990P	46 34 47	113 34 9	7.00	.07	<.10	.070	300	.5	N	N	100	>10,000	2
RAV1999P	46 35 18	113 35 37	7.00	.50	<.10	.700	500	200.0	N	>1,000	300	1,500	7
RAV2832P	46 35 24	113 34 45	5.00	.50	<.10	.700	500	N	N	N	200	3,000	5
RAV2834P	46 35 24	113 34 45	5.00	.30	<.10	.700	200	N	N	N	200	1,000	5
RAV2885P	46 36 21	113 31 7	7.00	1.50	1.00	1.500	1,500	<1.0	N	N	500	1,500	3
RAV2900P	46 36 31	113 34 17	10.00	.70	.30	.700	1,500	N	N	N	200	3,000	3
RAV2905P	46 34 0	113 35 39	3.00	1.50	.15	.700	500	N	N	N	500	1,000	7
RAV2918P	46 32 9	113 35 25	2.00	.70	<.10	.300	200	N	N	N	300	1,500	2
RAV2923P	46 31 23	113 37 9	2.00	.70	.15	.500	150	N	N	N	300	700	2
RAV2925P	46 31 11	113 37 15	2.00	.50	<.10	.700	70	N	N	N	200	500	3
RAV2927P	46 31 8	113 37 8	3.00	.70	.50	.700	300	N	N	N	200	700	3
RAV2934P	46 33 3	113 38 13	3.00	.50	.20	.300	100	N	N	N	150	500	2
RAV2937P	46 34 28	113 39 19	5.00	1.00	.20	.700	200	N	N	N	300	700	5
RAV2956P	46 39 47	113 33 4	3.00	1.00	1.00	.500	300	N	N	N	300	1,500	5
RAV2959P	46 40 32	113 33 32	3.00	1.00	.70	3.000	300	N	N	N	150	2,000	3
RAV2960P	46 40 30	113 33 31	2.00	.70	1.50	.300	500	N	N	N	20	1,500	3
RAV2963P	46 42 20	113 32 52	3.00	1.00	.70	.500	700	N	N	N	150	1,000	3
RAV2980P	46 43 54	113 35 6	3.00	1.00	.20	.300	300	N	N	N	200	300	3
RAV2990P	46 40 19	113 31 9	5.00	3.00	.70	.700	500	N	N	N	300	1,500	5
RAV3902P	46 31 45	113 30 47	3.00	1.00	.15	.700	500	N	N	N	300	1,000	5
RAV3910P	46 32 15	113 30 50	2.00	1.00	.20	.500	500	N	N	N	300	1,000	5
RAV3912P	46 32 33	113 30 40	3.00	1.00	.10	.700	500	N	N	N	500	700	5
RAV3915P	46 31 9	113 31 59	.10	.10	<.10	.150	70	N	N	N	<20	100	2
RAV3917P	46 31 13	113 31 56	.70	.30	.10	.700	300	N	N	N	20	700	3
RAV3919P	46 30 44	113 30 19	3.00	1.00	.15	.700	300	N	N	N	300	700	5
RAV3921P	46 30 25	113 30 5	3.00	.20	.20	.700	300	N	N	N	500	1,000	5
RAV3923P	46 44 59	113 43 23	15.00	2.00	2.00	1.500	700	N	N	N	300	1,000	3
RAV4980P	46 43 4	113 32 0	1.00	3.00	7.00	.200	200	N	N	N	100	300	2

LATITUDE 46°30'–47°00' LONGITUDE 113°30'–114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
RAV1569P	50	N	50	100	50	500	N	<50	30	20	N	15	N	N	150	N
RAV1570P	20	N	50	200	70	500	N	<50	50	3,000	N	15	N	N	200	N
RAV1618P	N	N	N	50	<10	50	N	<50	<10	20	N	10	N	N	70	N
RAV1620P	N	N	30	30	20	150	30	50	15	30	N	10	N	200	100	500
RAV1875P	N	N	50	150	30	700	N	<50	50	20	N	20	N	<200	150	N
RAV1879P	N	N	10	100	<10	70	N	<50	15	20	N	10	N	<200	150	N
RAV1883P	N	N	10	70	15	100	N	<50	10	30	N	10	N	200	100	N
RAV1923P	N	N	N	50	<10	150	N	<50	10	<20	N	15	N	N	50	N
RAV1925P	N	N	N	70	<10	100	N	<50	10	<20	N	15	N	N	70	N
RAV1957P	50	N	30	70	30	150	N	<50	70	20	N	15	N	200	150	N
RAV1959P	N	N	100	300	70	200	N	<50	100	<20	N	20	N	<200	300	N
RAV1962P	N	N	30	200	20	200	N	<50	70	20	N	20	N	300	200	N
RAV1968P	N	N	15	100	15	70	N	<50	30	20	N	15	N	N	150	N
RAV1971P	N	N	15	100	20	70	N	<50	30	20	N	15	N	N	150	N
RAV1978P	N	N	10	100	<10	70	N	<50	30	20	N	10	N	N	100	N
RAV1980P	N	N	15	150	<10	70	N	<50	50	<20	N	15	N	N	150	N
RAV1982P	N	N	<10	70	<10	50	N	<50	20	20	N	10	N	N	70	N
RAV1990P	N	N	50	20	15	50	10	<50	70	50	N	<10	N	5,000	20	15,000
RAV1999P	N	N	10	50	20	50	N	<50	30	20	N	10	N	N	100	N
RAV2832P	N	N	15	70	20	50	N	<50	30	<20	N	15	N	N	100	N
RAV2834P	N	N	10	50	15	50	N	<50	20	20	N	10	N	N	100	N
RAV2885P	N	N	15	30	30	50	N	<50	30	20	N	10	N	N	200	N
RAV2900P	N	N	15	30	30	50	N	<50	20	20	N	10	N	N	150	N
RAV2905P	N	N	15	70	20	70	N	<50	30	20	N	15	N	N	150	N
RAV2918P	N	N	10	100	<10	50	N	<50	20	30	N	10	N	<200	70	N
RAV2923P	N	N	<10	30	N	50	N	<50	15	20	N	<10	N	N	70	N
RAV2925P	N	N	<10	50	<10	50	N	<50	10	20	N	<10	N	N	70	N
RAV2927P	N	N	15	50	<10	50	10	<50	30	20	N	10	N	<200	100	N
RAV2934P	N	N	10	70	<10	50	N	<50	15	30	N	10	N	<200	70	N
RAV2937P	N	N	10	100	10	50	N	<50	30	20	N	15	N	N	150	N
RAV2956P	N	N	10	20	10	700	N	<50	20	<20	N	10	N	700	70	N
RAV2959P	N	N	15	50	30	70	N	<50	30	100	N	10	N	700	70	N
RAV2960P	N	N	15	20	<10	50	N	N	20	50	N	10	N	1,500	50	N
RAV2963P	N	N	15	20	30	50	N	<50	30	30	N	10	N	700	100	N
RAV2980P	N	N	15	30	<10	50	N	<50	20	70	N	10	N	N	70	N
RAV2990P	N	N	15	100	10	50	N	<50	20	30	N	10	N	200	100	N
RAV3902P	N	N	10	70	<10	50	N	<50	20	20	N	10	N	N	70	N
RAV3910P	N	N	<10	100	15	50	N	<50	15	20	N	10	N	N	70	N
RAV3912P	N	N	<10	50	<10	50	N	<50	20	20	N	10	N	N	100	N
RAV3915P	N	N	<10	30	N	<50	N	<50	10	N	N	10	N	N	20	N
RAV3917P	N	N	10	30	<10	50	N	<50	10	20	N	10	N	N	70	N
RAV3919P	N	N	10	50	<10	50	N	<50	15	<20	N	10	N	N	70	N
RAV3921P	N	N	10	100	<10	50	N	<50	15	20	N	10	N	N	100	N
RAV3923P	N	N	200	200	50	500	N	<50	150	70	N	15	50	N	200	N
RAV4980P	N	N	<10	30	10	50	N	<50	10	30	N	<10	N	N	50	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
RAV1569P	200	N	700	N	.600
RAV1570P	200	N	500	N	.300
RAV1618P	50	N	2,000	N	<.020
RAV1620P	50	N	150	N	<.020
RAV1875P	70	N	700	N	<.020
RAV1879P	30	N	700	N	<.020
RAV1883P	150	N	500	N	.070
RAV1923P	70	N	2,000	N	.370
RAV1925P	50	N	300	N	<.020
RAV1957P	70	N	500	N	1.850
RAV1959P	70	N	500	N	<.020
RAV1962P	70	N	500	N	.060
RAV1968P	70	N	700	N	<.020
RAV1971P	50	N	700	N	<.020
RAV1978P	70	N	500	N	.030
RAV1980P	50	N	500	N	.020
RAV1982P	70	N	700	N	<.020
RAV1990P	<20	N	50	N	62.000
RAV1999P	50	N	200	N	5.380
RAV2832P	50	N	1,500	N	3.300
RAV2834P	30	N	700	N	.310
RAV2885P	50	N	700	N	.006
RAV2900P	50	N	200	N	.440
RAV2905P	50	N	500	N	.030
RAV2918P	20	N	500	N	<.020
RAV2923P	20	N	500	N	<.020
RAV2925P	20	N	700	N	<.020
RAV2927P	<20	N	500	N	<.020
RAV2934P	20	N	700	N	<.020
RAV2937P	50	N	500	N	<.020
RAV2956P	50	N	700	N	<.050
RAV2959P	<20	N	700	N	<.050
RAV2960P	N	N	200	N	<.050
RAV2963P	30	N	500	N	<.050
RAV2980P	30	N	500	N	<.050
RAV2990P	50	N	700	N	<.050
RAV3902P	30	N	500	N	<.050
RAV3910P	70	N	700	N	<.050
RAV3912P	50	N	500	N	<.050
RAV3915P	30	N	700	N	<.050
RAV3917P	30	N	1,000	N	<.050
RAV3919P	30	N	1,000	N	.200
RAV3921P	150	N	700	N	<.050
RAV3923P	150	N	700	N	<.050
RAV4980P	20	N	200	N	<.050

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2°CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
RAV5904P	46 37 47	113 31 4	7.00	2.00	.70	1.000	1,000	N	N	N	700	1,500	5
RAV5906P	46 37 44	113 32 0	7.00	3.00	1.00	1.000	1,500	N	N	N	700	1,500	3
SEM0591P	46 45 13	113 56 24	2.00	2.00	3.00	.500	300	N	N	N	300	500	3
SEM0593P	46 45 26	113 56 49	3.00	3.00	2.00	.700	700	N	N	N	700	3,000	5
SEM0595P	46 46 16	113 54 13	5.00	1.50	2.00	1.000	700	N	N	N	700	1,500	5
SEM0597P	46 46 19	113 54 9	3.00	1.00	1.50	.700	300	N	N	N	700	700	5
SEM0599P	46 46 21	113 54 16	5.00	2.00	2.00	.700	300	N	N	N	700	1,500	5
SEM1401P	46 46 44	113 57 12	5.00	1.00	.30	.700	700	N	N	N	700	1,500	5
SEM1403P	46 46 39	113 58 35	5.00	1.50	.50	.700	500	N	N	N	700	1,500	5
SEM1416P	46 49 51	113 58 37	3.00	.70	.20	.700	1,000	N	N	N	300	5,000	3
SEM1418P	46 49 42	113 58 26	7.00	1.00	1.50	>2.000	1,500	N	N	N	500	1,000	3
SEM1421P	46 49 15	113 57 31	5.00	1.00	.50	2.000	700	N	N	N	500	700	2
SEM1423P	46 49 35	113 57 6	3.00	.50	.30	2.000	700	N	N	N	700	500	2
SEM1424P	46 49 35	113 57 8	.15	7.00	15.00	.015	200	N	<200	N	50	30	N
SEM1425P	46 49 5	113 56 0	3.00	.70	.15	.700	200	N	N	N	300	700	3
SEM1427P	46 49 19	113 56 33	3.00	.70	.20	.700	500	N	N	N	300	1,000	3
SEM1429P	46 49 21	113 56 32	3.00	.50	.50	1.500	700	N	N	N	300	1,000	2
SEM1432P	46 48 54	113 54 22	3.00	.70	.10	.700	150	N	N	N	200	5,000	2
SEM1434P	46 48 49	113 54 13	15.00	1.00	2.00	>2.000	2,000	N	N	N	300	700	<2
SEM1436P	46 49 5	113 54 4	5.00	.70	.50	2.000	700	N	N	N	500	2,000	3
SEM1439P	46 50 44	113 54 9	3.00	.50	.30	1.000	1,000	N	N	N	300	1,500	2
SEM1442P	46 51 23	113 52 59	15.00	.70	.70	>2.000	3,000	N	N	N	300	500	<2
SEM1444P	46 50 55	113 52 33	7.00	1.00	.70	1.500	1,000	N	N	N	200	10,000	3
SEM1464P	46 47 9	113 58 50	3.00	1.50	.50	.700	200	N	N	N	300	1,000	3
SEM1466P	46 46 51	113 57 25	3.00	1.00	.20	1.000	500	N	N	N	500	5,000	3
SEM1469P	46 47 9	113 57 10	3.00	1.00	.15	.700	300	N	N	N	500	1,000	3
SEM1471P	46 50 15	113 57 15	30.00	.70	1.00	>2.000	5,000	N	N	N	300	300	N
SEM1472P	46 47 27	113 54 48	5.00	1.50	.50	1.500	500	N	N	N	500	1,500	3
SUN0572P	46 53 58	113 44 44	15.00	.70	1.00	>2.000	3,000	N	N	N	200	300	N
SUN0576P	46 56 21	113 43 10	3.00	1.00	.10	.500	500	N	N	N	300	1,000	3
SUN1500P	46 57 54	113 43 56	1.50	.20	<.10	.500	70	N	N	N	500	500	<2
SUN1504P	46 56 8	113 41 27	1.50	.30	.15	.700	300	N	N	N	300	700	<2
SUN1509P	46 53 12	113 39 38	2.00	.30	.15	.700	300	<1.0	N	N	300	500	<2
SUN1512P	46 53 14	113 38 18	2.00	.50	.20	.700	150	<1.0	N	N	200	700	<2
SUN1514P	46 55 53	113 37 54	2.00	.50	.15	.500	700	N	N	N	200	700	2
SUN1525P	46 58 28	113 41 22	5.00	.50	.15	>2.000	700	N	N	N	300	700	<2

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W
RAV5904P	N	N	20	70	30	70	N	<50	30	30	N	10	N	N	150	N
RAV5906P	N	N	20	300	30	50	N	<50	100	30	N	15	N	N	200	N
SEM0591P	N	N	15	70	10	1,000	N	<50	30	<20	N	10	N	N	70	N
SEM0593P	N	N	15	50	30	200	N	<50	30	70	N	10	N	N	100	N
SEM0595P	N	N	15	100	30	70	N	<50	30	<20	N	15	N	N	100	N
SEM0597P	N	N	20	50	20	50	N	<50	30	<20	N	15	N	N	150	N
SEM0599P	N	N	15	100	15	50	N	<50	20	<20	N	15	N	N	150	N
SEM1401P	N	N	15	100	15	50	N	<50	20	20	N	15	N	N	150	N
SEM1403P	N	N	30	70	70	70	N	<50	50	20	N	15	N	<200	150	N
SEM1416P	N	N	15	30	<10	50	N	<50	20	20	N	<10	N	N	100	N
SEM1418P	N	N	10	100	20	50	N	<50	20	20	N	10	N	N	300	N
SEM1421P	N	N	15	30	20	70	N	<50	20	20	N	10	N	N	200	N
SEM1423P	N	N	10	30	10	150	N	<50	10	<20	N	10	N	N	200	N
SEM1424P	N	N	N	<10	5	20	N	N	N	20	N	N	N	100	<10	N
SEM1425P	N	N	10	30	<10	50	N	<50	15	150	N	10	N	N	70	N
SEM1427P	N	N	10	70	10	50	N	<50	10	30	N	10	N	N	70	N
SEM1429P	N	N	10	<20	<10	70	N	<50	10	70	N	<10	N	N	100	N
SEM1432P	N	N	10	50	<10	50	N	<50	10	<20	N	<10	N	N	70	N
SEM1434P	N	N	20	70	50	<50	N	<50	20	20	N	20	N	N	500	N
SEM1436P	N	N	15	100	10	50	N	<50	10	<20	N	10	N	<200	150	N
SEM1439P	N	N	<10	50	10	50	N	<50	10	20	N	10	N	N	150	N
SEM1442P	N	N	15	50	30	70	N	<50	10	70	N	15	N	N	300	N
SEM1444P	N	N	15	30	30	50	N	<50	15	70	N	10	N	N	100	N
SEM1464P	N	N	15	50	10	50	N	<50	20	<20	N	10	N	N	100	N
SEM1466P	N	N	15	30	15	50	N	<50	20	<20	N	10	N	N	100	N
SEM1469P	N	N	15	20	10	50	N	<50	15	<20	N	10	N	N	70	N
SEM1471P	N	N	30	20	150	N	N	<50	15	30	N	15	N	N	300	N
SEM1472P	N	N	20	70	10	50	N	<50	50	<20	N	15	N	N	100	N
SUN0572P	N	N	20	100	70	<50	N	<50	20	20	N	20	N	N	700	N
SUN0576P	N	N	15	100	<10	70	N	<50	10	20	N	10	N	<200	70	N
SUN1500P	N	N	N	30	<10	50	N	<50	15	20	N	N	N	N	30	N
SUN1504P	N	N	10	30	<10	50	N	N	<10	30	N	10	N	N	70	N
SUN1509P	N	N	10	20	<10	50	N	<50	10	30	N	10	N	N	70	N
SUN1512P	N	N	10	30	<10	50	N	<50	10	30	N	10	N	<200	70	N
SUN1514P	N	N	<10	30	<10	50	N	N	10	30	N	10	N	N	70	N
SUN1525P	N	N	10	30	15	50	N	<50	10	70	N	10	N	N	200	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114°00'

TABLE 2.PAN-CONCENTRATE SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°x2° CUSMAP QUADRANGLE, MONTANA(continued)

SAMPLE	S-Y	S-ZN	S-ZR	S-TH	AA-AU
RAV5904P	50	N	500	N	<.050
RAV5906P	50	N	300	N	<.050
SEM0591P	50	N	700	N	<.050
SEM0593P	50	N	200	N	<.050
SEM0595P	50	N	700	N	<.050
SEM0597P	50	N	700	N	<.050
SEM0599P	50	N	700	N	<.050
SEM1401P	50	N	700	N	<.050
SEM1403P	50	N	700	N	<.050
SEM1416P	50	N	700	N	<.050
SEM1418P	50	N	700	N	.030
SEM1421P	70	N	700	N	<.050
SEM1423P	70	N	>2,000	N	<.050
SEM1424P	<10	N	15	N	.650
SEM1425P	20	N	700	N	<.050
SEM1427P	30	N	500	N	<.050
SEM1429P	30	N	500	N	<.050
SEM1432P	20	N	500	N	<.050
SEM1434P	100	N	700	N	<.050
SEM1436P	30	N	700	N	<.050
SEM1439P	20	N	700	N	<.050
SEM1442P	100	N	2,000	N	<.050
SEM1444P	50	N	700	N	<.050
SEM1464P	50	N	700	N	<.050
SEM1466P	700	N	700	N	<.050
SEM1469P	50	N	700	N	<.050
SEM1471P	50	N	700	N	<.050
SEM1472P	70	N	700	N	<.050
SUN0572P	50	N	1,000	N	<.020
SUN0576P	150	N	500	N	<.020
SUN1500P	20	N	1,000	N	<.020
SUN1504P	50	N	1,500	N	<.020
SUN1509P	50	N	1,500	N	.530
SUN1512P	20	N	1,500	N	<.020
SUN1514P	70	N	1,000	N	<.020
SUN1525P	20	N	1,000	N	<.020

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
BEM2997S	46 41 36	113 30 0	3.00	.70	1.00	.30	1,500	N	N	N	70	1,000	2.0	N	N
BLP0003S	46 58 36	113 50 12	2.00	.50	.10	.20	300	N	N	N	70	500	1.5	N	N
BLP0006S	46 58 42	113 50 14	3.00	.10	.70	.50	700	N	N	N	200	1,000	3.0	N	N
BLP0206S	46 59 22	113 47 3	3.00	.50	.15	.20	1,000	N	N	N	300	700	3.0	N	N
BLP0208S	46 59 23	113 47 8	3.00	.70	.30	.30	1,000	N	N	N	300	1,000	3.0	N	N
BLP0210S	46 59 19	113 47 12	2.00	.50	.30	.20	500	N	N	N	300	1,000	5.0	N	N
BLP0212S	46 58 47	113 47 58	3.00	.50	.30	.30	1,500	N	N	N	200	1,000	3.0	N	N
BLP0214S	46 58 31	113 48 22	3.00	.70	.50	.30	700	N	N	N	200	1,500	3.0	N	N
BLP0216S	46 58 27	113 48 35	2.00	.70	.70	.20	1,000	N	N	N	150	1,500	7.0	N	N
BLP0218S	46 58 31	113 48 44	2.00	.50	.50	.20	700	N	N	N	150	1,000	5.0	N	N
BLP0220S	46 58 24	113 48 57	2.00	.50	.50	.20	500	N	N	N	100	700	3.0	N	N
BLP0222S	46 58 24	113 49 19	2.00	.50	.50	.20	700	N	N	N	70	700	3.0	N	N
BLP0435S	46 56 57	113 50 45	3.00	.50	.50	.50	700	20.0	N	N	100	700	1.5	N	N
BLP0440S	46 56 44	113 51 39	3.00	.50	.70	.50	2,000	N	N	N	150	700	2.0	N	N
BLP0441S	46 56 32	113 51 49	3.00	.70	.20	.30	500	N	N	N	200	700	2.0	N	N
BLP0562S	46 53 16	113 50 37	2.00	.50	.70	.30	300	<.5	N	N	100	1,500	3.0	N	N
BLP0565S	46 53 19	113 50 27	3.00	.70	.50	.30	300	N	N	N	150	1,000	3.0	N	N
BLP0567S	46 53 30	113 49 49	3.00	.70	.30	.30	500	N	N	N	70	700	3.0	N	N
BLP0569S	46 54 1	113 47 48	3.00	.70	.70	.30	300	N	N	N	100	700	3.0	N	N
BLP0571S	46 54 19	113 45 4	3.00	.70	.70	.50	300	N	N	N	150	1,000	3.0	N	N
BLP0579S	46 52 36	113 52 10	3.00	.70	1.50	.70	700	N	N	N	70	700	2.0	N	N
BLP1489S	46 55 52	113 45 17	2.00	.50	.20	.50	300	N	N	N	150	500	3.0	N	N
BLP1491S	46 55 54	113 45 15	1.50	.50	.20	.30	300	N	N	N	100	1,500	3.0	N	N
BLP1493S	46 56 26	113 45 55	2.00	.50	.30	.50	500	N	N	N	100	1,000	3.0	N	N
BLP1495S	46 56 30	113 46 33	.70	.30	.30	.15	500	N	N	N	50	500	5.0	N	N
BLP1497S	46 56 30	113 46 33	1.00	.30	.30	.30	500	N	N	N	50	1,000	5.0	N	N
BLP1499S	46 57 28	113 45 23	2.00	1.00	.50	.30	1,000	N	N	N	200	2,000	7.0	N	N
BLP1861S	46 59 38	113 50 4	3.00	.50	.50	.30	500	N	N	N	100	1,500	3.0	N	N
BLP1862S	46 59 35	113 50 22	.70	.30	.30	.15	500	N	N	N	50	700	5.0	N	N
BLP1864S	46 58 35	113 50 6	1.50	.30	.30	.15	500	N	N	N	70	700	3.0	N	N
BLP1866S	46 58 52	113 50 8	2.00	.70	.50	.30	300	N	N	N	70	700	3.0	N	N
BLP1867S	46 58 59	113 50 11	1.50	.30	.70	.15	500	N	N	N	30	700	5.0	N	N
BLP1942S	46 58 2	113 51 53	3.00	.70	.30	.30	500	N	N	N	100	700	2.0	N	N
BLP1944S	46 57 59	113 51 48	2.00	.70	.20	.30	500	N	N	N	150	700	2.0	N	N
BLP1945S	46 57 43	113 52 18	2.00	.70	.50	.30	200	N	N	N	100	1,500	3.0	N	N
BLP1947S	46 58 7	113 52 0	3.00	.70	.30	.30	500	N	N	N	150	1,000	3.0	N	N
BLP1948S	46 58 30	113 50 44	5.00	1.00	.50	.50	700	N	N	N	150	1,000	3.0	N	N
BLP1950S	46 55 39	113 50 39	3.00	.50	.30	.30	500	N	N	N	200	1,000	3.0	N	N
BLP1952S	46 55 37	113 50 38	3.00	.70	.70	.30	700	N	N	N	300	1,000	3.0	N	N
BLP1953S	46 55 36	113 50 43	3.00	.70	.70	.30	700	N	N	N	300	700	2.0	N	N
BLP2808S	46 52 55	113 50 38	2.00	.30	1.00	.20	300	N	N	N	70	1,000	3.0	N	N
BLP2810S	46 53 5	113 47 57	2.00	.70	.50	.30	300	N	N	N	200	1,000	3.0	N	N
BLP2812S	46 53 5	113 48 5	.70	.30	.70	.20	500	N	N	N	100	1,000	7.0	N	N
BLP2814S	46 53 15	113 46 52	2.00	1.00	1.00	.50	500	N	N	N	150	1,000	7.0	N	N
BLP2816S	46 53 44	113 46 12	1.50	.50	.50	.30	500	N	N	N	150	2,000	7.0	N	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.-STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
BEM2997S	10	70	50	50	N	<20	20	20	N	10	N	100	70	N	50	<200	200
BLP0003S	5	20	7	20	N	<20	7	20	N	5	N	<100	50	N	20	N	100
BLP0006S	7	70	30	70	N	<20	20	30	N	10	N	<100	70	N	50	N	500
BLP0206S	20	50	20	30	N	<20	10	30	N	7	N	<100	70	N	20	N	200
BLP0208S	7	100	20	30	N	<20	20	30	N	10	N	100	70	N	30	N	700
BLP0210S	7	50	15	30	N	<20	15	30	N	7	N	100	50	N	30	N	500
BLP0212S	10	50	15	30	N	<20	15	30	N	7	N	100	70	N	30	N	200
BLP0214S	7	50	20	30	N	<20	15	30	N	10	N	100	70	N	50	N	200
BLP0216S	7	70	20	30	N	<20	20	30	N	7	N	100	70	N	50	N	200
BLP0218S	5	50	20	30	N	<20	10	30	N	7	N	100	50	N	70	N	150
BLP0220S	7	50	20	30	N	<20	15	20	N	10	N	<100	50	N	30	N	200
BLP0222S	7	50	15	30	N	<20	10	30	N	10	N	100	70	N	50	N	150
BLP0435S	7	50	20	30	N	<20	10	20	N	10	N	150	100	N	30	N	500
BLP0440S	7	70	30	30	N	<20	15	70	N	10	N	150	100	N	20	N	300
BLP0441S	<5	30	15	30	N	<20	10	30	N	10	N	100	100	N	20	N	300
BLP0562S	7	30	30	70	N	<20	50	30	N	10	N	100	30	N	100	N	150
BLP0565S	7	70	20	50	5	<20	50	30	N	10	N	<100	50	N	30	N	200
BLP0567S	10	50	20	50	N	<20	30	30	N	15	N	N	50	N	50	N	200
BLP0569S	7	50	20	50	5	<20	50	20	N	15	N	<100	70	N	70	N	300
BLP0571S	7	70	20	50	N	<20	20	20	N	10	N	<100	70	N	50	N	150
BLP0579S	15	50	30	50	<5	<20	20	50	N	10	15	100	50	N	30	N	300
BLP1489S	5	100	15	50	N	<20	20	20	N	7	N	<100	50	N	70	N	300
BLP1491S	5	70	15	50	N	<20	10	30	N	7	N	<100	50	N	30	N	300
BLP1493S	5	70	20	50	N	<20	15	30	N	5	N	<100	50	N	30	N	300
BLP1495S	5	15	10	20	N	N	10	10	N	7	N	<100	30	N	30	N	300
BLP1497S	7	30	10	20	N	<20	10	15	N	7	N	<100	30	N	30	N	300
BLP1499S	7	30	30	50	N	<20	20	30	N	7	N	<100	50	N	100	N	300
BLP1861S	7	30	20	30	N	<20	15	30	N	10	N	150	50	N	20	N	150
BLP1862S	<5	10	15	50	N	N	10	50	N	5	N	N	30	N	30	N	100
BLP1864S	7	20	20	30	N	<20	15	30	N	5	N	N	30	N	30	N	100
BLP1866S	5	70	15	70	N	<20	10	20	N	7	N	<100	50	N	50	N	300
BLP1867S	<5	30	15	30	N	N	5	30	N	7	N	100	50	N	30	N	150
BLP1942S	7	50	20	50	N	<20	20	20	N	10	N	100	50	N	50	N	300
BLP1944S	7	20	20	30	N	<20	15	20	N	7	N	<100	50	N	30	N	300
BLP1945S	7	50	20	50	N	<20	20	30	N	10	N	100	70	N	50	N	150
BLP1947S	7	50	20	50	N	<20	30	20	N	10	N	<100	70	N	50	N	300
BLP1948S	15	70	50	50	N	20	30	30	N	20	N	100	100	N	70	N	700
BLP1950S	7	70	20	100	N	<20	50	20	N	10	N	100	70	N	30	N	700
BLP1952S	10	50	20	50	<5	<20	70	20	N	15	N	<100	70	N	30	N	700
BLP1953S	10	50	20	50	N	<20	50	30	N	10	N	N	70	N	30	N	200
BLP2808S	<5	30	50	30	N	<20	10	20	N	10	N	<100	30	N	50	N	100
BLP2810S	7	20	20	30	N	<20	15	20	N	5	N	N	50	N	30	N	300
BLP2812S	N	15	15	50	N	N	10	20	N	7	N	<100	50	N	70	N	200
BLP2814S	7	100	30	30	N	<20	20	30	N	7	20	<100	70	N	50	N	500
BLP2816S	7	50	15	50	N	<20	20	30	N	7	N	<100	50	N	30	N	300

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
BEM2997S	N	3.0	1.00	17.0	.02	.02	<.5	<1.0
BLP0003S	N	.3	.90	.5	<.02	<.02	--	<1.0
BLP0006S	N	1.3	1.70	1.2	<.02	.03	<.5	<1.0
BLP0206S	N	1.0	1.60	1.8	<.02	.02	--	<1.0
BLP0208S	N	1.0	1.00	1.5	<.02	.02	--	<1.0
BLP0210S	N	.6	1.30	.8	<.02	.02	--	<1.0
BLP0212S	N	.5	1.40	.9	<.02	.04	--	<1.0
BLP0214S	N	.9	1.50	1.5	<.02	.02	--	<1.0
BLP0216S	N	1.2	2.50	2.0	<.02	.04	--	<1.0
BLP0218S	N	1.2	2.30	1.5	<.02	.02	--	<1.0
BLP0220S	N	.8	1.30	1.4	<.02	.02	--	<1.0
BLP0222S	N	1.7	1.70	1.8	<.02	.04	--	<1.0
BLP0435S	N	.7	1.10	1.4	<.02	.02	--	<1.0
BLP0440S	N	1.4	4.10	3.6	<.02	.05	--	<1.0
BLP0441S	N	.7	1.90	1.5	<.02	.02	--	<1.0
BLP0562S	N	21.0	12.00	10.0	.06	.14	<1.0	<1.0
BLP0565S	N	8.0	12.00	8.0	<.05	.07	2.5	<1.0
BLP0567S	N	10.0	15.00	6.0	<.05	.06	<1.0	<1.0
BLP0569S	N	7.0	7.00	6.0	.05	.06	<1.0	<1.0
BLP0571S	N	6.0	4.00	4.0	<.05	<.05	<1.0	<1.0
BLP0579S	N	2.8	2.50	3.5	<.02	.02	<.5	<1.0
BLP1489S	N	6.0	6.00	18.0	<.05	<.05	1.0	N
BLP1491S	N	4.0	6.00	11.0	<.05	<.05	N	N
BLP1493S	N	9.0	11.00	9.0	.06	.17	1.0	N
BLP1495S	N	--	--	--	--	--	--	--
BLP1497S	N	--	--	--	--	--	--	--
BLP1499S	N	24.0	22.00	21.0	.20	.33	1.0	N
BLP1861S	N	1.0	1.50	1.8	.03	<.02	<.5	<1.0
BLP1862S	N	1.8	7.00	3.5	.03	.05	<.5	<1.0
BLP1864S	N	1.5	2.50	3.2	.02	.04	<.5	<1.0
BLP1866S	N	.8	1.60	1.0	<.02	<.02	<.5	<1.0
BLP1867S	N	1.0	5.00	2.0	.02	.04	<.5	<1.0
BLP1942S	N	1.2	1.00	1.3	<.02	<.02	<.5	<1.0
BLP1944S	N	.8	.50	.6	<.02	<.02	<.5	<1.0
BLP1945S	N	1.5	.80	.9	<.02	.02	<.5	<1.0
BLP1947S	N	1.1	.50	.9	<.02	<.02	<.5	<1.0
BLP1948S	N	3.0	2.30	1.7	<.02	.02	<.5	<1.0
BLP1950S	N	.8	.50	.8	<.02	<.02	<.5	<1.0
BLP1952S	N	1.1	1.20	1.2	<.02	<.02	<.5	<1.0
BLP1953S	N	1.2	1.70	1.8	<.02	.02	<.5	<1.0
BLP2808S	N	8.9	2.60	2.5	.02	.03	<.5	<1.0
BLP2810S	N	18.0	7.00	6.0	.08	.30	N	N
BLP2812S	N	26.0	14.00	13.0	.20	.51	N	N
BLP2814S	N	21.0	14.00	7.0	.07	.20	N	N
BLP2816S	N	7.0	7.00	7.0	<.05	.19	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.-STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
B0N1481S	46 48 34	113 46 2	2.00	.30	.70	.30	1,000	N	N	N	50	700	1.5	N	N
B0N1483S	46 49 59	113 46 19	5.00	1.00	1.00	1.00	1,000	N	N	N	200	1,500	2.0	N	N
B0N1485S	46 50 4	113 46 10	2.00	.50	.70	.50	700	N	N	N	50	700	2.0	N	N
B0N1487S	46 49 40	113 46 1	3.00	.70	1.50	1.00	1,000	N	N	N	150	1,000	3.0	N	N
B0N1531S	46 49 19	113 47 57	2.00	.70	1.50	.50	300	N	N	N	150	1,000	3.0	N	N
B0N1533S	46 49 41	113 48 29	10.00	1.50	3.00	>1.00	1,500	N	N	N	70	300	<1.0	N	N
B0N1535S	46 50 13	113 48 39	3.00	.70	1.00	.70	500	N	N	N	200	700	1.0	N	N
B0N1537S	46 50 33	113 49 19	.70	.20	2.00	.20	200	<.5	N	N	70	1,000	5.0	N	N
B0N1538S	46 50 57	113 49 43	2.00	.30	1.00	.20	700	N	N	N	70	1,000	2.0	N	N
B0N1539S	46 51 8	113 50 15	5.00	1.00	1.00	.50	1,000	N	N	N	70	1,000	2.0	N	N
B0N1541S	46 50 29	113 51 26	3.00	.70	.70	.20	1,000	N	N	N	70	1,500	3.0	N	N
B0N1542S	46 50 29	113 51 26	3.00	.70	.70	.20	1,000	N	N	N	50	1,000	3.0	N	N
B0N1544S	46 49 52	113 50 26	1.00	.30	1.50	.20	300	<.5	N	N	100	2,000	7.0	N	N
B0N1545S	46 49 13	113 49 9	2.00	.70	.70	.30	200	<.5	N	N	150	2,000	5.0	N	N
B0N1546S	46 48 59	113 50 0	3.00	.70	.70	.30	500	N	N	N	150	3,000	7.0	N	N
B0N1548S	46 48 6	113 47 41	3.00	.70	.70	.30	700	N	N	N	70	1,500	3.0	N	N
B0N1549S	46 48 42	113 48 35	2.00	.50	.70	.30	500	N	N	N	200	2,000	5.0	N	N
B0N1550S	46 48 42	113 48 35	2.00	.50	.70	.30	300	N	N	N	150	2,000	7.0	N	N
B0N1552S	46 48 35	113 51 19	2.00	.70	.70	.30	700	N	N	N	150	2,000	7.0	N	N
B0N1554S	46 48 38	113 51 20	3.00	.70	1.00	.30	700	N	N	N	200	3,000	5.0	N	N
B0N1555S	46 48 43	113 50 37	3.00	.50	.50	.20	500	N	N	N	70	1,000	3.0	N	N
B0N1556S	46 48 43	113 50 37	3.00	.70	1.00	.30	700	N	N	N	200	3,000	7.0	N	N
B0N1558S	46 47 2	113 50 15	3.00	1.00	1.00	.50	700	N	N	N	200	2,000	5.0	N	N
B0N1560S	46 46 48	113 49 34	2.00	.70	.70	.30	700	N	N	N	200	1,500	5.0	N	N
B0N1561S	46 47 9	113 48 36	2.00	.50	.70	.30	700	N	N	N	70	1,000	2.0	N	N
B0N1563S	46 45 49	113 49 2	2.00	.70	.70	.30	500	N	N	N	200	1,000	5.0	N	N
B0N1565S	46 46 27	113 46 43	3.00	.70	.50	.20	1,000	N	N	N	70	1,000	3.0	N	N
B0N1566S	46 46 33	113 46 42	1.00	.20	1.00	.20	1,000	N	N	N	50	700	3.0	N	N
B0N3928S	46 46 25	113 45 6	3.00	.70	.70	.30	500	<.5	N	N	50	1,500	2.0	N	N
B0N3960S	46 48 34	113 46 2	2.00	.70	1.50	.50	3,000	N	N	N	70	2,000	3.0	N	N
CLE0057S	46 36 37	113 46 42	5.00	1.00	.70	.50	500	N	N	N	300	1,000	2.0	N	N
CLE0060S	46 36 25	113 46 25	3.00	.70	.70	.30	500	N	N	N	50	700	2.0	N	N
CLE0062S	46 36 17	113 46 2	3.00	.70	.70	.30	300	N	N	N	300	700	2.0	N	N
CLE0064S	46 35 9	113 45 36	5.00	.70	.70	.50	300	N	N	N	150	500	2.0	N	N
CLE1477S	46 44 30	113 54 59	3.00	1.00	.50	.50	300	N	N	N	300	1,500	3.0	N	N
CLE1568S	46 34 47	113 45 10	2.00	1.00	1.50	.30	1,000	N	200	N	200	500	7.0	N	N
CLE1886S	46 39 37	113 47 37	3.00	1.00	.70	.30	300	N	N	N	70	1,000	2.0	N	N
CLE1888S	46 39 44	113 47 37	3.00	1.00	.70	.30	300	N	N	N	70	700	5.0	N	N
CLE1889S	46 38 33	113 48 4	3.00	.70	1.00	.30	300	N	N	N	70	700	2.0	N	N
CLE1891S	46 38 41	113 46 3	1.50	.30	1.50	.15	1,000	N	N	N	70	500	2.0	N	N
CLE1892S	46 38 35	113 45 47	.70	.20	2.00	.10	500	N	N	N	70	300	3.0	N	N
CLE1931S	46 30 50	113 45 2	2.00	.50	.30	.20	200	N	N	N	200	700	2.0	N	N
CLE2801S	46 34 46	113 47 48	1.50	.30	1.00	.15	300	N	N	N	70	200	3.0	N	N
CLE2803S	46 34 54	113 48 4	2.00	.50	1.00	.30	300	N	N	N	50	300	2.0	N	N
CLE2836S	46 32 4	113 53 24	3.00	1.00	2.00	.50	1,500	N	N	N	70	700	7.0	N	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00°

TABLE 3.-STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
BON1481S	7	20	15	30	N	<20	15	30	N	7	N	100	30	N	20	N	150
BON1483S	10	100	70	30	N	<20	20	50	N	10	N	<100	100	N	30	N	300
BON1485S	7	30	20	30	N	<20	15	20	N	10	N	<100	50	N	30	N	200
BON1487S	10	30	70	50	N	<20	20	30	N	10	N	N	200	N	50	N	200
BON1531S	7	70	50	30	N	<20	30	70	N	7	50	<100	70	N	30	N	300
BON1533S	70	100	150	<20	N	<20	50	30	N	20	N	<100	300	N	30	N	200
BON1535S	7	70	20	20	N	<20	20	30	N	7	N	<100	70	N	30	N	300
BON1537S	N	15	20	30	N	N	5	30	N	7	N	N	50	N	30	N	100
BON1538S	5	30	30	30	N	<20	10	15	N	7	N	100	50	N	30	N	150
BON1539S	10	50	70	50	N	<20	20	30	N	15	N	100	70	N	70	N	300
BON1541S	10	50	70	70	N	<20	20	50	N	10	N	100	50	N	70	N	150
BON1542S	10	50	50	50	N	<20	20	50	N	10	N	100	50	N	70	N	150
BON1544S	N	70	30	150	N	<20	15	30	N	7	N	<100	50	N	150	N	150
BON1545S	7	100	50	100	N	<20	20	30	N	10	N	<100	70	N	100	N	300
BON1546S	10	100	70	50	N	<20	50	30	N	15	N	<100	70	N	100	N	300
BON1548S	10	70	30	50	N	<20	30	20	N	15	N	100	50	N	100	N	200
BON1549S	7	30	15	50	N	<20	20	30	N	7	N	<100	50	N	100	N	300
BON1550S	7	20	20	70	N	<20	15	30	N	7	N	<100	50	N	70	N	300
BON1552S	7	50	20	30	N	<20	30	30	N	7	N	<100	50	N	70	N	300
BON1554S	7	100	20	50	N	<20	30	20	N	7	N	<100	70	N	70	N	300
BON1555S	10	50	20	30	N	<20	15	15	N	10	N	<100	50	N	30	N	200
BON1556S	7	70	20	50	N	<20	30	20	N	7	N	<100	70	N	70	N	300
BON1558S	7	100	50	50	N	<20	30	20	N	7	N	<100	70	N	70	N	300
BON1560S	7	20	20	50	N	<20	20	20	N	7	N	N	50	N	30	N	300
BON1561S	7	30	15	30	N	N	10	20	N	10	N	100	30	N	20	N	150
BON1563S	7	70	20	30	N	<20	30	20	N	7	N	<100	50	N	50	N	300
BON1565S	15	50	50	50	N	<20	30	20	N	20	N	<100	50	N	70	N	150
BON1566S	<5	10	20	30	N	N	7	50	N	7	N	100	30	N	20	N	100
BON3928S	10	50	20	50	N	<20	20	30	N	10	N	150	50	N	30	N	200
BON3960S	7	20	30	30	N	<20	50	50	N	7	N	300	50	N	15	200	300
CLE0057S	7	100	15	30	N	<20	20	15	N	15	N	N	100	N	50	N	700
CLE0060S	7	70	15	30	N	<20	20	20	N	10	N	N	50	N	50	N	300
CLE0062S	7	70	20	30	<5	<20	30	20	N	15	N	<100	70	N	50	N	500
CLE0064S	30	100	20	50	N	<20	30	15	N	15	N	<100	70	N	50	N	700
CLE1477S	7	100	20	70	N	<20	20	20	N	10	N	<100	70	N	50	N	300
CLE1568S	7	30	30	70	N	<20	30	20	N	10	N	N	50	N	70	N	200
CLE1886S	15	70	15	50	N	<20	20	15	N	10	N	N	70	N	30	N	300
CLE1888S	7	70	20	30	N	<20	20	15	N	10	N	<100	50	N	50	N	200
CLE1889S	7	70	20	30	N	<20	15	20	N	10	N	<100	70	N	30	N	300
CLE1891S	<5	50	20	30	N	N	10	15	N	5	N	<100	50	N	20	N	100
CLE1892S	<5	30	30	30	N	N	5	15	N	5	N	<100	30	N	20	N	70
CLE1931S	5	30	15	30	N	<20	15	10	N	10	N	N	30	N	50	N	200
CLE2801S	<5	50	10	30	N	<20	5	10	N	7	N	N	30	N	30	N	200
CLE2803S	<5	70	10	30	N	<20	10	10	N	10	N	N	50	N	70	N	200
CLE2836S	10	30	30	150	N	<20	20	30	N	10	N	200	50	N	70	N	300

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.-STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
BON1481S	N	12.0	20.00	45.0	<.05	.80	1.0	1.0
BON1483S	N	34.0	14.00	20.0	.06	N	N	N
BON1485S	N	24.0	13.00	25.0	.05	.25	1.0	1.0
BON1487S	N	45.0	13.00	19.0	.12	.19	1.0	N
BON1531S	N	63.0	56.00	75.0	.15	.42	1.0	1.0
BON1533S	N	96.0	18.00	150.0	.10	<.05	N	1.0
BON1535S	N	18.0	11.00	16.0	.05	N	1.0	1.0
BON1537S	N	57.0	30.00	27.0	.42	.33	1.0	1.0
BON1538S	N	35.0	15.00	22.0	.08	.35	<1.0	<1.0
BON1539S	N	74.0	55.00	18.0	<.05	.25	1.0	1.0
BON1541S	N	63.0	56.00	18.0	.12	.20	<1.0	2.0
BON1542S	N	54.0	60.00	25.0	.07	.25	<1.0	<1.0
BON1544S	N	62.0	47.00	14.5	.31	.25	1.0	1.0
BON1545S	N	53.0	14.00	9.0	.16	<.05	1.0	1.0
BON1546S	N	48.0	19.00	11.0	.15	.26	1.0	1.0
BON1548S	N	20.0	14.00	18.0	<.05	.28	<1.0	<1.0
BON1549S	N	19.0	14.00	14.0	.09	.17	1.0	1.0
BON1550S	N	17.0	15.00	9.0	.08	.17	1.0	1.0
BON1552S	N	27.0	18.00	15.0	.12	.26	1.0	1.0
BON1554S	N	34.0	14.00	12.0	.13	.24	1.0	1.0
BON1555S	N	18.0	9.00	14.0	<.05	.15	<1.0	<1.0
BON1556S	N	30.0	15.00	15.0	.10	.14	1.0	1.0
BON1558S	N	29.0	9.00	18.0	.13	.15	1.0	1.0
BON1560S	N	18.0	9.00	10.0	.08	.09	1.0	1.0
BON1561S	N	7.0	9.00	15.0	<.05	.35	<1.0	<1.0
BON1563S	N	28.0	11.00	19.0	.11	.19	1.0	1.0
BON1565S	N	42.0	16.00	30.0	.08	.20	<1.0	<1.0
BON1566S	N	21.0	36.00	40.0	.18	1.25	3.0	1.0
BON3928S	N	8.0	15.00	25.0	<.05	.20	<1.0	<1.0
BON3960S	N	16.0	19.00	14.0	.16	.33	N	N
CLE0057S	N	.4	<.50	<.5	<.02	.02	<.5	<1.0
CLE0060S	N	.4	.80	<.5	<.02	.02	<.5	<1.0
CLE0062S	N	1.2	.50	<.5	<.02	<.02	<.5	<1.0
CLE0064S	N	.8	.50	<.5	<.02	<.02	<.5	<1.0
CLE1477S	N	11.0	5.00	7.0	.05	.05	1.0	N
CLE1568S	N	30.0	8.00	14.0	.14	.27	N	3.0
CLE1886S	N	.7	<.50	.7	<.02	<.02	<.5	<1.0
CLE1888S	N	1.4	.50	1.8	<.02	<.02	<.5	<1.0
CLE1889S	N	1.5	.80	.7	<.02	.05	<.5	<1.0
CLE1891S	N	2.4	1.30	1.0	<.02	.07	<.5	<1.0
CLE1892S	N	5.2	1.40	1.3	<.02	.60	<.5	<1.0
CLE1931S	N	.8	<.50	<.5	.05	<.02	<.5	<1.0
CLE2801S	N	.5	<.50	.5	<.02	.02	<.5	<1.0
CLE2803S	N	.5	.50	.6	<.02	<.02	<.5	<1.0
CLE2836S	N	12.0	7.00	16.0	.08	.26	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
CLE2838S	46 31 10	113 52 23	2.00	.50	1.00	.30	1,000	N	N	N	70	700	7.0	N	N
CLE2840S	46 30 22	113 51 24	1.50	.30	.30	.30	150	N	N	N	70	500	3.0	N	N
CLE2842S	46 30 55	113 50 27	2.00	.70	.50	.30	700	N	N	N	70	500	7.0	N	N
CLE2843S	46 30 34	113 50 2	2.00	.50	.30	.30	500	N	N	N	100	500	5.0	N	N
CLE2844S	46 30 10	113 48 35	2.00	.50	.50	.30	200	N	N	N	150	500	3.0	N	N
CLE2845S	46 31 21	113 55 51	2.00	.70	1.50	.30	700	N	N	N	150	700	3.0	N	N
CLE2846S	46 31 46	113 57 8	2.00	.70	2.00	.30	300	<.5	N	N	70	700	3.0	N	N
CLE2847S	46 31 45	113 57 20	1.50	.50	1.50	.20	500	N	N	N	50	700	3.0	N	N
CLE2848S	46 31 58	113 56 18	2.00	.70	1.50	.30	700	N	N	N	50	1,000	5.0	N	N
CLE2850S	46 32 39	113 55 27	5.00	1.00	2.00	.50	1,000	N	N	N	50	700	3.0	N	N
CLE2853S	46 32 40	113 48 58	1.00	.30	1.00	.20	300	N	N	N	50	500	7.0	N	N
CLE2855S	46 32 35	113 49 4	2.00	.30	1.50	.30	700	<.5	N	N	20	700	3.0	N	N
CLE2856S	46 31 51	113 47 27	1.50	.70	.50	.30	300	N	N	N	100	700	2.0	N	N
CLE2857S	46 32 30	113 48 9	1.50	.50	1.00	.20	300	N	N	N	100	500	5.0	N	N
CLE2866S	46 36 12	113 55 38	5.00	1.00	2.00	.50	1,000	N	N	N	50	500	3.0	N	N
CLE2868S	46 36 25	113 55 47	5.00	1.00	2.00	.70	1,000	N	N	N	50	500	3.0	N	N
CLE2870S	46 37 6	113 55 9	3.00	1.50	3.00	.30	300	N	N	N	70	300	1.5	N	N
CLE2872S	46 37 28	113 54 16	3.00	1.50	2.00	.30	300	N	N	N	70	300	3.0	N	N
CLE2874S	46 37 12	113 53 33	3.00	3.00	5.00	.30	500	N	N	N	50	200	1.5	N	N
CLE2875S	46 36 10	113 50 59	3.00	.70	1.00	.30	500	N	N	N	150	700	3.0	N	N
CLE2877S	46 36 1	113 50 34	1.50	.50	.70	.30	300	N	N	N	100	300	3.0	N	N
CLE2879S	46 36 7	113 50 24	3.00	.70	1.50	.30	500	N	N	N	70	700	3.0	N	N
CLE2881S	46 37 51	113 55 31	3.00	1.50	3.00	.50	500	N	N	N	70	300	2.0	N	N
CLE2883S	46 38 48	113 57 51	3.00	1.00	2.00	.30	500	N	N	N	70	500	3.0	N	N
CLE2940S	46 30 13	113 46 22	7.00	.70	2.00	>1.00	700	<.5	N	N	20	1,000	1.5	N	N
CLE2941S	46 30 35	113 46 4	3.00	.70	2.00	.50	1,000	3.0	N	N	70	2,000	2.0	N	N
CLE2942S	46 31 3	113 46 30	3.00	1.00	1.00	.50	300	<.5	N	N	70	300	3.0	N	N
CLE2964S	46 43 38	113 45 42	3.00	.50	1.00	.30	700	N	N	N	150	1,500	7.0	N	N
CLE2966S	46 42 32	113 46 17	3.00	1.00	1.50	.30	500	N	N	N	150	700	7.0	N	N
CLE2967S	46 42 16	113 46 23	3.00	1.50	1.50	.30	300	N	N	N	150	500	3.0	N	N
CLE2968S	46 42 6	113 46 32	2.00	1.50	7.00	.30	500	N	N	N	150	500	5.0	N	N
CLE2970S	46 41 51	113 47 10	3.00	1.50	2.00	.30	300	N	N	N	150	700	3.0	N	N
CLE2972S	46 41 58	113 48 2	3.00	1.50	2.00	.30	700	N	N	N	200	500	5.0	N	N
CLE2975S	46 42 11	113 48 33	2.00	1.00	15.00	.15	300	N	N	N	50	200	1.5	N	N
CLE2976S	46 43 23	113 49 24	2.00	1.00	20.00	.30	500	N	N	N	70	300	1.5	N	N
CLE2978S	46 44 28	113 47 34	3.00	.70	1.50	.30	700	N	N	N	150	1,500	5.0	N	N
CLE2979S	46 43 12	113 46 12	2.00	.70	1.00	.30	500	N	N	N	200	1,500	7.0	N	N
CLE3832S	46 39 8	113 56 38	2.00	2.00	2.00	.50	500	N	N	N	100	300	7.0	N	N
CLE3834S	46 39 9	113 56 2	3.00	1.00	10.00	.70	500	N	N	N	150	300	2.0	N	N
CLE3835S	46 39 6	113 55 21	5.00	1.50	1.50	.50	500	N	N	N	150	500	3.0	N	N
CLE3836S	46 39 6	113 55 21	3.00	1.50	2.00	.50	500	N	N	N	150	500	3.0	N	N
CLE3837S	46 39 6	113 54 47	3.00	1.00	1.50	.30	700	N	N	N	150	500	3.0	N	N
CLE3838S	46 39 32	113 52 40	2.00	.70	15.00	.30	300	N	N	N	100	300	3.0	N	N
CLE3840S	46 40 4	113 51 52	2.00	.70	.70	.50	300	N	N	N	100	300	5.0	N	N
CLE3842S	46 40 10	113 52 1	3.00	1.50	2.00	.50	300	N	N	N	200	500	5.0	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
CLE2838S	7	50	15	30	N	<20	10	30	N	7	N	150	50	N	50	N	300
CLE2840S	<5	50	5	30	N	<20	7	20	N	5	N	<100	30	N	50	N	500
CLE2842S	10	50	15	50	N	<20	30	30	N	10	N	<100	50	N	70	N	300
CLE2843S	7	30	10	30	N	<20	15	30	N	5	N	<100	50	N	30	N	200
CLE2844S	7	50	15	50	N	<20	15	20	N	7	N	<100	50	N	30	N	300
CLE2845S	7	50	30	50	N	<20	20	30	N	7	N	100	50	N	30	N	200
CLE2846S	7	30	15	150	N	<20	10	30	N	5	N	300	50	N	30	N	300
CLE2847S	7	20	10	20	N	<20	10	30	N	5	N	200	50	N	30	N	300
CLE2848S	7	30	15	30	N	<20	5	30	N	5	N	300	50	N	30	N	200
CLE2850S	10	50	15	30	N	<20	10	30	N	10	N	300	70	N	50	N	300
CLE2853S	<5	30	10	50	N	N	7	20	N	7	N	<100	50	N	100	N	300
CLE2855S	5	15	20	30	10	<20	10	20	N	5	N	300	50	N	50	N	300
CLE2856S	<5	20	10	20	N	<20	10	15	N	5	N	<100	50	N	10	N	300
CLE2857S	N	50	10	30	N	<20	10	15	N	5	N	<100	50	N	100	N	300
CLE2866S	10	15	15	50	N	<20	10	30	N	10	N	300	100	N	50	N	200
CLE2868S	10	30	15	100	N	<20	7	50	N	10	N	500	100	N	70	N	300
CLE2870S	7	20	10	20	N	<20	15	20	N	7	N	<100	50	N	30	N	300
CLE2872S	10	50	15	30	N	<20	20	20	N	7	N	<100	50	N	50	N	300
CLE2874S	15	50	10	20	N	<20	30	15	N	10	N	<100	70	N	50	N	150
CLE2875S	7	70	20	30	N	<20	20	20	N	10	N	100	70	N	50	N	300
CLE2877S	<5	70	7	20	N	<20	15	15	N	7	N	<100	50	N	30	N	300
CLE2879S	7	100	30	50	N	<20	20	20	N	7	N	100	50	N	50	N	300
CLE2881S	7	70	20	50	N	<20	15	15	N	7	N	100	70	N	50	N	300
CLE2883S	10	50	15	30	N	<20	10	30	N	7	30	150	50	N	30	N	200
CLE2940S	15	50	70	20	20	<20	20	20	N	15	N	200	150	N	50	N	150
CLE2941S	20	70	70	30	N	<20	70	30	N	10	N	300	50	N	70	200	200
CLE2942S	10	70	50	50	N	<20	30	15	N	7	N	<100	50	N	70	N	200
CLE2964S	10	100	50	30	N	<20	50	20	N	7	N	<100	50	N	100	N	200
CLE2966S	7	30	20	30	N	<20	20	20	N	10	N	N	50	N	50	N	200
CLE2967S	7	70	15	100	N	<20	30	15	N	7	N	N	50	N	30	N	200
CLE2968S	7	70	20	50	N	<20	30	20	N	7	N	N	50	N	100	N	200
CLE2970S	10	70	15	50	N	<20	30	15	N	7	N	N	70	N	20	N	200
CLE2972S	10	70	30	50	N	<20	30	20	N	10	N	<100	70	N	50	N	200
CLE2975S	5	30	15	30	N	N	10	<10	N	7	N	<100	30	N	20	N	100
CLE2976S	7	50	10	50	N	<20	15	20	N	7	N	<100	30	N	20	N	200
CLE2978S	10	70	30	50	N	<20	50	30	N	10	N	<100	70	N	70	N	300
CLE2979S	7	70	20	50	N	<20	30	30	N	7	N	<100	50	N	50	N	300
CLE3832S	7	100	20	50	N	<20	20	20	N	7	N	<100	70	N	50	N	300
CLE3834S	10	70	50	50	N	<20	50	15	N	7	N	<100	100	N	30	N	300
CLE3835S	20	150	70	50	N	<20	70	20	N	10	N	<100	100	N	50	N	300
CLE3836S	15	150	70	50	N	<20	50	20	N	10	N	<100	70	N	50	N	300
CLE3837S	15	150	70	50	N	<20	70	20	N	10	N	<100	70	N	50	N	300
CLE3838S	<5	50	20	30	N	<20	20	20	N	7	N	<100	50	N	50	N	150
CLE3840S	10	30	15	70	N	<20	20	20	N	7	N	N	70	N	30	N	300
CLE3842S	10	100	30	50	N	<20	30	20	N	10	N	<100	70	N	50	N	200

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
CLE2838S	N	5.0	8.00	15.0	.09	.27	N	N
CLE2840S	N	2.0	4.00	3.0	<.05	.20	N	N
CLE2842S	N	7.0	8.00	4.0	.09	.35	N	N
CLE2843S	N	3.0	7.00	4.0	<.05	.31	N	N
CLE2844S	N	5.0	4.00	3.0	<.05	.24	N	N
CLE2845S	N	13.0	5.00	8.0	<.05	.25	N	N
CLE2846S	N	6.0	4.00	7.0	<.05	.22	N	N
CLE2847S	N	4.0	5.00	9.0	<.05	.05	N	N
CLE2848S	N	6.0	4.00	7.0	<.05	N	N	N
CLE2850S	N	4.0	5.00	12.0	<.05	N	N	N
CLE2853S	N	9.0	9.00	14.0	.19	.35	1.0	1.0
CLE2855S	N	16.0	7.00	13.0	.33	.12	2.0	N
CLE2856S	N	2.0	3.00	6.0	<.05	N	N	N
CLE2857S	N	5.0	5.00	5.0	.07	N	N	N
CLE2866S	N	6.0	8.00	10.0	<.05	N	N	N
CLE2868S	N	5.0	6.00	8.0	<.05	N	N	N
CLE2870S	N	3.0	3.00	5.0	<.05	N	N	N
CLE2872S	N	7.0	5.00	8.0	<.05	N	N	N
CLE2874S	N	4.0	4.00	6.0	<.05	N	N	N
CLE2875S	N	11.0	5.00	4.0	.07	N	N	N
CLE2877S	N	3.0	4.00	3.0	<.05	N	N	N
CLE2879S	N	21.0	5.00	19.0	.09	N	N	N
CLE2881S	N	7.0	3.00	3.0	<.05	N	N	N
CLE2883S	N	4.0	5.00	4.0	<.05	N	N	N
CLE2940S	N	3.3	.60	<.5	.03	.11	<.5	<1.0
CLE2941S	N	22.0	9.00	150.0	.20	9.45	1.0	N
CLE2942S	N	32.0	6.00	2.0	.22	.30	2.0	N
CLE2964S	N	51.0	9.00	15.0	.10	.08	N	N
CLE2966S	N	18.0	8.00	14.0	.11	.08	N	N
CLE2967S	N	8.0	4.00	6.0	.05	N	N	N
CLE2968S	N	17.0	8.00	14.0	.11	.10	1.0	1.0
CLE2970S	N	10.0	4.00	6.0	.05	N	N	N
CLE2972S	N	31.0	7.00	34.0	.09	.15	N	N
CLE2975S	N	.8	.50	5.3	.02	<.02	<.5	<1.0
CLE2976S	N	8.0	3.00	1.0	.26	.10	15.0	24.0
CLE2978S	N	36.0	12.00	34.0	.09	.17	2.0	3.0
CLE2979S	N	22.0	11.00	23.0	.11	.30	N	N
CLE3832S	N	11.0	15.00	9.0	<.05	.13	1.0	N
CLE3834S	N	35.0	7.00	11.0	<.05	.08	N	N
CLE3835S	N	33.0	9.00	7.0	<.05	<.05	N	N
CLE3836S	N	31.0	9.00	7.0	<.05	.06	1.0	N
CLE3837S	N	43.0	9.00	8.0	.05	.18	10.0	3.0
CLE3838S	N	30.0	16.00	27.0	.18	.20	1.0	N
CLE3840S	N	9.0	7.00	5.0	<.05	.12	1.0	1.0
CLE3842S	N	25.0	8.00	22.0	.08	N	1.0	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
CLE3844S	46 38 7	113 50 52	2.00	.70	1.50	.30	300	N	N	N	100	700	5.0	N	N
CLE3846S	46 38 1	113 50 55	2.00	.70	1.00	.30	500	N	N	N	70	1,000	5.0	N	N
CLE3847S	46 38 45	113 52 0	3.00	1.00	1.00	.50	300	N	N	N	150	700	3.0	N	N
CLE3848S	46 40 41	113 56 34	3.00	1.00	1.50	.50	500	N	N	N	200	500	3.0	N	N
CLE3849S	46 40 51	113 56 44	2.00	.50	.30	.50	500	N	N	N	150	1,500	3.0	N	N
CLE3851S	46 38 48	113 58 5	5.00	1.00	1.00	1.00	500	N	N	N	150	500	1.5	N	N
CLE3853S	46 35 22	113 56 1	3.00	.70	2.00	.50	700	N	N	N	50	1,000	3.0	N	N
CLE3854S	46 34 47	113 56 42	5.00	.70	3.00	.50	700	N	N	N	50	700	3.0	N	N
CLE3855S	46 33 11	113 53 55	3.00	.70	3.00	.50	1,000	N	N	N	70	700	5.0	N	N
CLE3856S	46 33 6	113 53 59	3.00	1.00	2.00	.50	500	N	N	N	50	1,000	3.0	N	N
CLE3861S	46 34 49	113 51 54	1.00	.30	.30	.20	150	N	N	N	70	700	3.0	N	N
CLE3862S	46 34 27	113 52 48	3.00	.70	1.50	.50	1,500	N	N	N	50	700	5.0	N	N
CLE3863S	46 35 30	113 53 22	3.00	1.00	1.50	.30	1,000	N	N	N	50	700	5.0	N	N
CLE3865S	46 41 7	113 58 7	1.50	.50	.70	.30	300	N	N	N	150	1,500	5.0	N	N
CLE3867S	46 41 7	113 58 7	3.00	1.00	1.00	.50	500	N	N	N	200	2,000	5.0	N	N
CLE3869S	46 40 54	113 57 56	2.00	.70	.50	.50	700	N	N	N	200	1,500	2.0	N	N
CLE3870S	46 40 37	113 59 25	2.00	.70	.70	.50	1,000	N	N	N	200	1,500	3.0	N	N
CLE3873S	46 43 50	113 59 28	3.00	.70	1.00	.70	700	N	N	N	200	1,000	3.0	N	N
CLE3874S	46 44 3	113 57 59	2.00	1.00	15.00	.20	200	N	N	N	70	300	2.0	N	N
CLE3875S	46 43 58	113 58 14	5.00	1.00	1.50	.70	500	N	N	N	200	300	3.0	N	N
CLE3876S	46 43 58	113 58 14	5.00	1.00	1.00	1.00	700	N	N	N	200	700	2.0	N	N
CLE3877S	46 44 45	113 59 29	3.00	1.50	1.50	.50	300	N	N	N	200	700	3.0	N	N
CLE3879S	46 42 58	113 52 6	1.50	1.00	15.00	.20	500	N	N	N	100	300	2.0	N	N
CLE3880S	46 42 43	113 52 51	2.00	1.00	1.00	.50	500	N	N	N	200	500	3.0	N	N
CLE3882S	46 41 54	113 53 51	3.00	1.50	1.00	.50	500	N	N	N	200	700	3.0	N	N
CLE3884S	46 42 19	113 54 51	3.00	1.00	1.50	.50	700	N	N	N	200	1,000	5.0	N	N
CLE3885S	46 43 32	113 53 11	1.00	1.00	15.00	.20	300	N	N	N	50	300	3.0	N	N
CLE3887S	46 44 9	113 52 29	2.00	1.50	2.00	.30	300	N	N	N	150	1,500	3.0	N	N
CLE3889S	46 44 42	113 53 2	1.50	.50	.70	.30	500	N	N	N	100	2,000	5.0	N	N
CLE3891S	46 43 23	113 55 29	2.00	.70	1.00	.30	700	N	N	N	150	1,500	7.0	N	N
CLE3893S	46 43 18	113 54 12	2.00	1.50	2.00	.30	500	N	N	N	150	1,000	5.0	N	N
CLE3895S	46 43 14	113 54 20	3.00	1.50	.70	.50	500	N	N	N	200	700	3.0	N	N
CLE3897S	46 44 19	113 55 54	2.00	.70	1.00	.30	500	N	N	N	200	1,000	5.0	N	N
CLE5825S	46 30 9	113 55 32	2.00	.70	1.00	.30	700	N	N	N	150	1,000	3.0	N	N
CLI3925S	46 45 6	113 43 18	3.00	.70	.50	.30	500	N	N	N	50	1,000	1.5	N	N
CLI3926S	46 45 49	113 43 37	2.00	1.00	.70	.30	200	N	N	N	150	1,500	3.0	N	N
CLI3927S	46 46 32	113 44 18	3.00	.70	.70	.30	1,500	50.0	N	N	50	1,500	2.0	N	N
CLI3930S	46 47 28	113 40 8	3.00	1.00	1.50	.30	1,500	N	N	N	70	1,500	5.0	N	N
CLI3935S	46 47 2	113 40 5	5.00	1.50	3.00	.50	1,000	3.0	N	N	50	1,500	3.0	N	N
CLI3937S	46 46 39	113 39 13	3.00	1.00	1.00	.50	700	N	N	N	150	1,000	3.0	N	N
CLI3945S	46 48 54	113 37 42	5.00	1.50	2.00	.50	1,000	N	N	N	20	1,500	2.0	N	N
CLI3947S	46 48 49	113 37 42	7.00	1.50	3.00	.50	1,000	N	N	N	50	1,000	3.0	N	N
CLI3951S	46 46 51	113 41 33	3.00	1.00	.70	.30	500	N	N	N	50	1,000	2.0	N	N
CLI3952S	46 46 6	113 42 16	2.00	.70	1.00	.30	300	N	N	N	100	1,000	7.0	N	N
CLI3954S	46 47 16	113 42 57	1.50	.50	.30	.30	300	<.5	N	N	100	1,000	2.0	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
CLE3844S	7	100	15	50	N	<20	20	20	N	7	N	N	50	N	50	N	300
CLE3846S	7	50	20	100	N	<20	20	20	N	7	N	<100	70	N	70	N	300
CLE3847S	10	70	30	70	N	<20	30	20	N	10	N	<100	70	N	50	N	300
CLE3848S	7	30	20	50	N	<20	20	20	N	7	N	<100	50	N	30	N	300
CLE3849S	7	20	15	30	N	<20	15	20	N	7	N	<100	50	N	50	N	300
CLE3851S	7	50	20	700	N	<20	20	15	N	7	10	<100	100	N	70	N	300
CLE3853S	7	20	10	50	N	<20	5	50	N	7	N	500	70	N	50	N	500
CLE3854S	7	20	7	30	N	<20	5	30	N	10	N	700	100	N	70	N	500
CLE3855S	7	10	15	30	N	<20	5	30	N	10	N	500	70	N	70	N	200
CLE3856S	7	20	15	50	N	<20	7	30	N	10	N	500	100	N	70	N	300
CLE3861S	<5	10	<5	50	N	<20	7	15	N	5	N	N	30	N	50	N	500
CLE3862S	7	20	20	30	N	<20	10	50	N	7	N	500	50	N	30	N	200
CLE3863S	7	20	20	50	N	<20	15	30	N	10	N	100	70	N	50	N	200
CLE3865S	<5	30	20	30	N	<20	15	20	N	7	N	N	70	N	50	N	200
CLE3867S	15	150	70	30	N	<20	70	20	N	15	N	<100	70	N	70	N	300
CLE3869S	10	70	30	30	N	<20	20	20	N	7	N	<100	50	N	50	N	300
CLE3870S	10	70	70	30	N	<20	20	20	N	7	N	<100	70	N	30	N	300
CLE3873S	10	50	30	50	N	<20	30	20	N	7	N	<100	100	N	70	N	300
CLE3874S	<5	50	15	30	N	<20	15	20	N	5	N	<100	50	N	30	N	200
CLE3875S	15	50	50	30	N	<20	50	20	N	10	N	<100	100	N	50	N	300
CLE3876S	15	70	50	100	N	<20	50	20	N	10	N	N	150	N	50	N	300
CLE3877S	10	100	30	50	N	<20	30	20	N	10	N	<100	70	N	50	N	300
CLE3879S	5	70	15	30	N	N	15	30	N	5	N	<100	50	N	50	N	200
CLE3880S	7	50	20	300	N	<20	20	20	N	7	N	<100	50	N	50	N	300
CLE3882S	7	70	20	50	N	<20	20	20	N	7	N	<100	70	N	30	N	300
CLE3884S	7	50	30	50	N	<20	20	20	N	7	N	<100	70	N	30	N	300
CLE3885S	N	70	15	30	N	N	10	20	N	5	N	<100	50	N	100	N	200
CLE3887S	7	50	20	<20	N	<20	15	20	N	7	N	N	50	N	20	N	300
CLE3889S	<5	70	15	30	N	<20	15	20	N	7	N	<100	50	N	30	N	200
CLE3891S	7	70	30	50	N	<20	30	20	N	7	N	<100	70	N	70	N	300
CLE3893S	7	50	20	50	N	<20	20	20	N	7	N	<100	50	N	30	N	300
CLE3895S	15	70	20	50	N	<20	30	20	N	7	N	N	70	N	30	N	300
CLE3897S	5	50	20	50	N	<20	15	15	N	7	N	<100	70	N	50	N	300
CLE5825S	7	100	20	50	N	<20	20	20	N	7	N	<100	50	N	70	N	300
CLI3925S	10	50	15	30	N	<20	20	20	N	10	N	100	50	N	30	N	200
CLI3926S	10	100	20	50	N	<20	50	30	N	7	N	200	50	N	150	N	300
CLI3927S	7	30	20	50	N	<20	15	20	N	10	N	150	50	N	30	N	300
CLI3930S	10	100	50	50	N	<20	50	70	N	7	N	500	70	N	30	N	300
CLI3935S	15	150	100	100	N	<20	70	100	N	10	N	1,000	70	N	30	N	200
CLI3937S	10	50	50	50	N	<20	30	50	N	7	N	300	100	N	50	N	300
CLI3945S	15	200	30	50	N	<20	70	50	N	7	N	1,000	100	N	20	N	200
CLI3947S	15	150	30	150	N	<20	70	70	N	10	N	1,000	100	N	30	N	500
CLI3951S	10	70	30	50	N	<20	20	50	N	10	N	150	50	N	30	N	200
CLI3952S	7	50	20	70	N	<20	20	30	N	7	N	200	70	N	30	N	200
CLI3954S	5	70	15	20	N	<20	20	70	N	5	N	<100	30	N	30	<200	20

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
CLE3844S	N	17.0	9.00	29.0	.11	N	1.0	N
CLE3846S	N	30.0	9.00	11.0	.09	N	1.0	N
CLE3847S	N	23.0	6.00	8.0	.07	N	1.0	N
CLE3848S	N	15.0	7.00	9.0	<.05	N	1.0	N
CLE3849S	N	9.0	6.00	7.0	N	N	1.0	N
CLE3851S	N	6.0	6.00	4.0	N	N	N	N
CLE3853S	N	4.0	8.00	8.0	N	N	1.0	N
CLE3854S	N	2.0	6.00	4.0	N	N	1.0	N
CLE3855S	N	7.0	9.00	10.0	<.05	N	1.0	N
CLE3856S	N	3.0	4.00	7.0	<.05	N	N	N
CLE3861S	N	3.0	3.00	2.0	<.05	N	1.0	N
CLE3862S	N	10.0	19.00	27.0	.09	.20	2.0	1.0
CLE3863S	N	18.0	11.00	13.0	.10	.06	4.0	1.0
CLE3865S	N	29.0	8.00	10.0	.06	.10	1.0	1.0
CLE3867S	N	53.0	8.00	6.0	.11	.09	6.0	6.0
CLE3869S	N	26.0	6.00	9.0	<.05	.09	1.0	1.0
CLE3870S	N	70.0	11.00	20.0	.05	.35	1.0	1.0
CLE3873S	N	34.0	7.00	9.0	<.05	.13	1.0	1.0
CLE3874S	N	20.0	10.00	18.0	.35	.13	3.0	4.0
CLE3875S	N	45.0	10.00	13.0	<.05	N	N	1.0
CLE3876S	N	34.0	9.00	10.0	<.05	N	N	N
CLE3877S	N	26.0	12.00	12.0	<.05	N	1.0	N
CLE3879S	N	18.0	8.00	12.0	.18	N	N	N
CLE3880S	N	29.0	13.00	8.0	<.05	N	N	N
CLE3882S	N	16.0	8.00	11.0	<.05	N	1.0	N
CLE3884S	N	43.0	7.00	9.0	<.05	N	1.0	N
CLE3885S	N	25.0	11.00	12.0	.14	<.05	N	N
CLE3887S	N	16.0	8.00	5.0	<.05	N	N	1.0
CLE3889S	N	15.0	10.00	9.0	.09	.09	1.0	1.0
CLE3891S	N	48.0	13.00	17.0	.07	.22	6.0	17.0
CLE3893S	N	22.0	10.00	17.0	.05	<.05	1.0	2.0
CLE3895S	N	17.0	7.00	19.0	N	<.05	N	1.0
CLE3897S	N	24.0	10.00	48.0	.06	<.05	N	1.0
CLE5825S	N	6.0	4.00	5.0	.07	.11	3.0	3.0
CLI3925S	N	7.0	9.00	15.0	<.05	.20	<1.0	<1.0
CLI3926S	N	34.0	15.00	47.0	.64	1.00	N	N
CLI3927S	N	8.0	8.00	44.0	.06	.20	<1.0	<1.0
CLI3930S	N	42.0	38.00	49.0	.54	.65	N	N
CLI3935S	N	50.0	72.00	58.0	1.62	.27	N	2.0
CLI3937S	N	48.0	33.00	36.0	.55	--	N	N
CLI3945S	N	19.0	33.00	27.0	.51	.20	N	N
CLI3947S	N	24.0	51.00	35.0	.54	.40	N	N
CLI3951S	N	23.0	48.00	50.0	.09	.55	<1.0	<1.0
CLI3952S	N	39.0	15.00	18.0	.30	.25	N	N
CLI3954S	N	26.0	16.00	16.0	.21	.15	N	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

ABLE 3.STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
CLI3956S	46 48 16	113 43 0	1.50	.50	.30	.30	300	N	N	N	150	1,500	2.0	N	N
CLI3958S	46 48 14	113 43 13	2.00	.50	.50	.30	700	N	N	N	150	1,000	5.0	N	N
CLI3959S	46 47 49	113 44 57	1.50	.30	.20	.20	500	<.5	N	N	50	700	1.5	N	N
CLI3962S	46 49 49	113 42 56	2.00	.50	.30	.30	300	N	N	N	150	1,500	7.0	N	N
CLI3964S	46 49 50	113 43 0	1.50	.30	.70	.30	500	N	N	N	100	1,500	10.0	N	N
CLI3967S	46 50 49	113 40 58	2.00	.70	.50	.30	300	N	N	N	150	1,000	2.0	N	N
CLI3969S	46 51 40	113 42 9	2.00	.70	.30	.30	500	N	N	N	200	1,000	3.0	N	N
CLI3973S	46 51 2	113 40 15	2.00	.70	.70	.30	500	N	N	N	200	1,500	7.0	N	N
CLI4912S	46 50 37	113 37 58	3.00	1.50	2.00	.30	500	N	N	N	150	700	2.0	N	N
CLI4914S	46 50 40	113 37 34	3.00	1.00	3.00	.30	500	<.5	N	N	200	700	2.0	N	N
CLI4919S	46 51 18	113 38 21	5.00	.70	.70	.70	1,000	N	N	N	150	1,000	3.0	N	N
MIN3803S	46 45 6	113 34 36	3.00	.50	.70	.50	1,500	N	N	N	50	1,000	1.5	N	N
MIN3804S	46 45 26	113 34 26	1.50	.70	.30	.50	500	N	N	N	200	1,000	5.0	N	N
MIN3807S	46 45 40	113 33 56	2.00	1.50	10.00	.50	300	N	N	N	150	700	3.0	N	N
MIN3808S	46 45 55	113 33 19	2.00	2.00	15.00	.30	300	N	N	N	100	500	2.0	N	N
MIN3809S	46 45 56	113 32 51	2.00	.70	3.00	.30	1,000	N	N	N	50	700	2.0	N	N
MIN3814S	46 46 29	113 31 17	2.00	3.00	10.00	.30	500	N	N	N	200	500	2.0	N	N
MIN3816S	46 46 17	113 31 14	3.00	3.00	7.00	.30	500	N	N	N	70	700	2.0	N	N
MIN3818S	46 45 33	113 35 48	2.00	.70	.50	.30	500	N	N	N	200	3,000	7.0	N	N
MIN3820S	46 45 34	113 35 50	3.00	1.50	2.00	.50	300	N	N	N	200	500	2.0	N	N
MIN3974S	46 50 24	113 32 1	3.00	.70	.70	.50	700	N	N	N	200	1,000	3.0	N	N
MIN3976S	46 48 25	113 31 1	2.00	1.50	15.00	.15	300	N	N	N	150	500	5.0	N	N
MIN3979S	46 48 7	113 30 1	3.00	1.50	3.00	.50	1,000	N	N	N	200	1,000	3.0	N	N
MIN3984S	46 45 39	113 37 9	2.00	.50	.50	.30	200	5.0	N	N	150	1,000	7.0	N	N
MIN3986S	46 46 8	113 37 17	3.00	1.00	.70	.30	1,000	N	N	N	300	1,500	7.0	N	N
MIN3988S	46 46 7	113 37 17	3.00	.70	.50	.50	500	N	N	N	200	1,000	7.0	N	N
MIN3989S	46 45 35	113 36 22	3.00	.70	.50	.50	1,000	N	N	N	200	700	10.0	N	N
MIN3991S	46 50 16	113 32 44	3.00	.50	.50	.50	700	N	N	N	150	700	3.0	N	N
MIN3992S	46 50 5	113 31 33	3.00	.70	.70	.50	1,000	N	N	N	150	1,000	5.0	N	N
MIN3993S	46 47 56	113 33 40	3.00	.70	15.00	.20	1,500	<.5	N	N	50	500	3.0	N	N
MIN3994S	46 48 6	113 34 29	3.00	5.00	10.00	.30	300	N	N	N	50	300	1.5	N	N
MIN3996S	46 48 18	113 35 4	1.00	7.00	15.00	.15	200	1.0	N	N	30	300	1.5	N	N
MIN3998S	46 48 46	113 35 15	3.00	.70	1.00	.30	500	2.0	N	N	150	1,000	3.0	N	N
MIN4901S	46 49 15	113 35 41	5.00	1.50	1.50	.50	1,500	.7	N	N	30	2,000	2.0	N	N
MIN4903S	46 49 21	113 35 44	3.00	2.00	7.00	.30	1,500	3.0	N	N	70	3,000	2.0	N	N
MIN4905S	46 49 22	113 35 58	3.00	1.50	2.00	.30	1,500	N	N	N	50	2,000	3.0	N	N
MIN4906S	46 49 11	113 36 33	5.00	1.50	2.00	.30	1,000	N	N	N	15	2,000	2.0	N	N
MIN4907S	46 48 56	113 37 1	3.00	.70	1.50	.30	1,000	N	N	N	70	2,000	3.0	N	N
MIN4909S	46 50 32	113 35 50	3.00	.50	.50	.30	700	<.5	N	N	150	1,000	3.0	N	N
MIN4909S	46 50 33	113 35 52	2.00	1.00	.70	.30	1,000	N	200	N	200	1,000	5.0	N	N
MIN4910S	46 50 50	113 36 6	3.00	.50	.50	.50	300	N	N	N	150	1,000	3.0	N	N
MIN4915S	46 51 34	113 35 7	2.00	.20	.70	.30	700	N	N	N	70	700	3.0	N	N
MIN4916S	46 52 10	113 35 12	2.00	.50	.50	.50	1,000	N	N	N	100	1,000	3.0	N	N
MIN4917S	46 51 58	113 37 4	2.00	.30	.50	.30	1,500	N	N	N	100	700	3.0	N	N
MIN4920S	46 50 38	113 30 41	3.00	.30	.70	.50	1,000	N	N	N	150	700	3.0	N	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
CLI3956S	5	70	15	20	N	<20	20	30	N	5	N	<100	30	N	30	N	200
CLI3958S	7	100	20	30	N	<20	50	30	N	7	N	<100	50	N	50	N	200
CLI3959S	7	20	10	30	N	N	7	50	N	5	N	<100	20	N	10	N	150
CLI3962S	7	100	15	30	N	<20	30	30	N	7	N	<100	50	N	100	N	150
CLI3964S	7	20	15	30	N	<20	50	30	N	7	N	30	50	N	70	N	200
CLI3967S	7	100	15	50	N	<20	50	30	N	7	N	500	70	N	50	N	500
CLI3969S	7	70	20	30	N	<20	30	30	N	7	N	N	50	N	50	N	300
CLI3973S	10	70	20	50	N	<20	70	30	N	7	N	N	50	N	70	N	300
CLI4912S	7	100	15	30	N	<20	20	50	N	7	10	<100	50	N	30	N	300
CLI4914S	7	100	20	70	N	<20	30	70	N	7	15	150	70	N	30	N	300
CLI4919S	7	20	20	50	N	<20	30	30	N	10	N	300	70	N	50	N	300
MIN3803S	10	50	20	50	N	<20	20	20	N	10	N	150	70	N	30	N	200
MIN3804S	7	20	20	70	N	<20	20	30	N	7	N	N	50	N	70	N	300
MIN3807S	10	300	15	30	N	<20	70	50	N	7	N	200	50	N	30	N	200
MIN3808S	7	150	20	30	N	<20	30	70	N	7	N	<100	50	N	20	N	200
MIN3809S	7	50	30	30	N	<20	10	70	N	7	N	100	50	N	20	N	100
MIN3814S	7	150	15	30	7	<20	50	50	N	7	N	<100	50	N	15	N	100
MIN3816S	10	70	30	50	N	<20	30	30	N	10	N	100	50	N	70	N	150
MIN3818S	7	30	300	50	N	<20	20	50	N	7	N	N	50	N	50	N	300
MIN3820S	7	70	20	50	N	<20	20	20	N	7	N	<100	70	N	50	N	300
MIN3974S	10	100	20	50	N	<20	20	30	N	10	N	<100	70	N	70	N	500
MIN3976S	<5	100	20	20	N	<20	15	30	N	7	N	N	50	N	30	N	100
MIN3979S	7	150	30	30	N	<20	50	70	N	7	N	150	70	N	20	<200	300
MIN3984S	7	100	20	50	N	<20	30	30	N	7	N	<100	70	N	70	N	500
MIN3986S	10	100	30	50	N	<20	50	30	N	10	N	<100	70	N	70	N	300
MIN3988S	7	100	20	50	N	<20	30	20	N	7	N	N	70	N	50	N	500
MIN3989S	10	100	30	100	N	<20	70	30	N	20	N	N	70	N	150	N	300
MIN3991S	10	50	20	50	N	<20	15	30	N	7	N	<100	70	N	70	N	300
MIN3992S	10	100	30	70	N	<20	50	30	N	10	N	<100	70	N	50	N	300
MIN3993S	7	30	20	30	N	<20	15	50	N	5	N	<100	30	N	20	N	100
MIN3994S	7	50	15	20	N	<20	10	30	N	5	N	<100	50	N	15	N	100
MIN3996S	<5	30	15	30	N	<20	10	50	N	5	N	<100	30	N	10	N	100
MIN3998S	10	100	50	50	N	<20	70	70	N	10	N	<100	70	N	100	N	300
MIN4901S	10	100	200	50	<5	<20	70	500	N	7	10	1,000	100	N	30	<200	300
MIN4903S	10	100	100	50	N	<20	50	700	N	7	10	500	700	N	30	1,500	200
MIN4905S	50	100	200	50	N	<20	70	150	N	7	10	1,000	70	N	20	<200	200
MIN4906S	15	200	100	50	N	<20	70	200	N	7	10	1,000	70	N	30	N	200
MIN4907S	10	70	70	50	N	<20	50	200	N	7	10	700	50	N	30	N	300
MIN4909S	10	100	30	70	N	<20	30	100	N	5	10	200	70	N	50	N	300
MIN4909S	7	100	20	50	N	<20	20	20	N	7	N	N	50	N	30	N	300
MIN4910S	7	100	20	70	N	<20	20	70	N	7	10	150	50	N	50	N	300
MIN4915S	5	50	20	50	N	<20	20	30	N	5	10	<100	50	N	50	N	300
MIN4916S	7	30	30	150	N	<20	20	70	N	5	10	<100	50	N	200	N	300
MIN4917S	7	30	15	30	N	<20	20	50	N	5	10	<100	30	N	30	N	300
MIN4920S	7	20	20	30	N	<20	20	30	N	10	N	100	70	N	30	N	300

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.-STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
CLI3956S	N	11.0	8.00	11.0	.15	.17	N	N
CLI3958S	N	20.0	11.00	6.0	.18	.13	N	N
CLI3959S	N	7.0	26.00	50.0	<.05	1.00	<1.0	<1.0
CLI3962S	N	2.0	5.00	5.0	.18	.10	N	N
CLI3964S	N	3.0	5.00	5.0	.13	.08	N	N
CLI3967S	N	19.0	10.00	10.0	.20	.21	N	N
CLI3969S	N	8.0	7.00	12.0	.15	.09	N	N
CLI3973S	N	21.0	21.00	25.0	.25	.20	N	N
CLI4912S	N	7.0	24.00	44.0	.10	.48	N	N
CLI4914S	N	8.0	25.00	57.0	.11	.90	2.0	2.0
CLI4919S	N	11.0	20.00	18.0	.06	.27	N	N
MIN3803S	N	1.1	1.00	5.3	.02	<.02	<.5	<1.0
MIN3804S	N	21.0	5.00	12.0	N	.08	N	N
MIN3807S	N	13.0	7.00	18.0	<.05	.08	N	N
MIN3808S	N	14.0	25.00	40.0	.12	.20	N	N
MIN3809S	N	3.6	19.00	19.0	.03	.06	<.5	<1.0
MIN3814S	N	10.0	16.00	30.0	<.05	.16	N	N
MIN3816S	N	3.8	3.50	2.0	.03	<.02	<.5	<1.0
MIN3818S	N	300.0	21.00	17.0	<.05	.14	N	N
MIN3820S	N	11.0	8.00	12.0	N	.07	N	N
MIN3974S	N	40.0	31.00	15.0	.20	.17	N	1.0
MIN3976S	N	38.0	13.00	16.0	.18	.16	N	1.0
MIN3979S	N	11.0	11.00	43.0	.17	.25	1.0	1.0
MIN3984S	N	31.0	67.00	22.0	.55	.22	N	1.0
MIN3986S	N	5.0	5.00	5.0	.15	.06	N	N
MIN3988S	N	23.0	48.00	21.0	.33	.25	1.0	N
MIN3989S	N	12.0	10.00	22.0	.19	.30	N	N
MIN3991S	N	4.0	4.00	3.0	.13	.06	N	N
MIN3992S	N	5.0	8.00	6.0	.14	.14	N	N
MIN3993S	N	40.0	42.00	77.0	1.05	1.19	N	1.0
MIN3994S	N	8.0	24.00	18.0	.39	.20	N	N
MIN3996S	N	10.0	22.00	24.0	.19	.24	N	1.0
MIN3998S	N	15.0	38.00	84.0	.25	.53	N	N
MIN4901S	N	190.0	190.00	170.0	.72	.83	1.0	1.0
MIN4903S	N	70.0	310.00	480.0	4.12	.30	N	2.0
MIN4905S	N	170.0	90.00	123.0	.55	.32	N	N
MIN4906S	N	43.0	84.00	51.0	.38	.63	N	N
MIN4907S	N	29.0	72.00	55.0	.20	.90	N	N
MIN4909S	N	17.0	42.00	30.0	.36	.43	N	N
MIN4909S	N	13.0	6.00	12.0	.07	.19	<1.0	2.0
MIN4910S	N	11.0	19.00	10.0	.09	.22	N	N
MIN4915S	N	25.0	32.00	52.0	.15	.77	N	1.0
MIN4916S	N	15.0	29.00	7.0	.08	.31	N	N
MIN4917S	N	8.0	28.00	5.0	<.05	.25	N	N
MIN4920S	N	13.0	15.00	13.0	<.05	.61	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
MIN4922S	46 48 29	113 30 50	5.00	.70	.70	.50	1,000	N	N	N	300	700	3.0	N	N
NEM0014S	46 55 20	113 54 1	3.00	.50	.50	.30	500	N	N	N	300	1,000	2.0	N	N
NEM0015S	46 55 22	113 54 14	3.00	1.00	1.00	.50	700	N	N	N	300	1,000	2.0	N	N
NEM0033S	46 57 41	113 53 38	2.00	.50	.20	.20	300	N	N	N	300	1,000	2.0	N	N
NEM0224S	46 58 16	113 56 36	2.00	.50	.70	.20	700	<.5	N	N	100	1,000	3.0	N	N
NEM0226S	46 58 18	113 56 39	3.00	.70	.30	.30	700	N	N	N	150	1,000	2.0	N	N
NEM0227S	46 59 44	113 57 19	3.00	1.00	.50	.30	700	N	N	N	200	2,000	2.0	N	N
NEM0229S	46 59 57	113 57 2	3.00	.50	.50	.30	700	N	N	N	200	700	2.0	N	N
NEM0232S	46 58 42	113 55 20	2.00	.50	.20	.30	700	N	N	N	70	500	2.0	N	N
NEM0235S	46 59 21	113 54 27	2.00	.30	.50	.30	1,000	N	N	N	100	1,000	3.0	N	N
NEM0402S	46 54 54	113 56 3	3.00	.70	.70	.30	1,000	N	N	N	200	1,000	2.0	N	N
NEM0404S	46 55 9	113 56 28	3.00	.70	.50	.50	1,500	N	N	N	300	1,000	2.0	N	N
NEM0406S	46 55 52	113 56 43	5.00	.70	1.00	.30	700	N	N	N	300	1,500	2.0	N	N
NEM0408S	46 56 51	113 55 59	3.00	.70	.20	.50	300	N	N	N	200	700	2.0	N	N
NEM0410S	46 57 23	113 55 10	2.00	.30	.50	.20	500	N	N	N	150	1,000	3.0	N	N
NEM0414S	46 57 4	113 55 14	2.00	.50	1.00	.30	300	N	N	N	200	1,000	3.0	N	N
NEM0415S	46 57 4	113 55 14	3.00	.70	1.00	.30	500	N	N	N	200	1,000	3.0	N	N
NEM0581S	46 53 8	113 53 36	3.00	1.50	1.00	.50	500	N	N	N	70	700	2.0	N	N
NEM0583S	46 53 31	113 55 27	2.00	1.00	.50	.50	700	N	N	N	300	1,000	3.0	N	N
NEM0585S	46 54 12	113 53 58	2.00	.50	1.50	.50	1,500	N	N	N	100	500	5.0	N	N
NEM0587S	46 56 9	113 58 50	3.00	1.00	10.00	.30	500	N	N	N	70	700	2.0	N	N
NEM0588S	46 56 28	113 58 14	3.00	1.50	.70	.30	500	N	N	N	70	700	2.0	N	N
NEM0590S	46 56 27	113 58 5	3.00	1.00	.50	.50	500	N	N	N	200	1,000	2.0	N	N
NEM0610S	46 56 51	113 55 59	2.00	.50	.15	.30	300	N	N	N	150	700	1.5	N	N
NEM0808S	46 57 56	113 57 21	3.00	1.00	.50	.70	1,000	N	N	N	150	1,000	1.5	N	N
NEM0810S	46 57 55	113 57 15	3.00	.70	.70	.50	700	N	N	N	150	1,000	2.0	N	N
NEM0811S	46 59 58	113 57 4	2.00	.30	.70	.20	500	N	N	N	70	1,000	5.0	N	N
NEM1869S	46 58 49	113 58 46	3.00	.70	.70	.50	500	N	N	N	70	1,000	2.0	N	N
NEM1871S	46 58 44	113 58 47	3.00	1.00	1.00	.50	300	N	N	N	100	700	2.0	N	N
NEM1940S	46 57 29	113 53 26	2.00	.50	.20	.30	300	N	N	N	70	700	1.5	N	N
POM1516S	46 55 26	113 37 23	2.00	.50	.50	.30	300	N	N	N	70	700	1.5	N	N
POM4802S	46 54 20	113 31 24	2.00	.70	.30	.30	500	N	N	N	200	700	1.0	N	N
POM4803S	46 54 15	113 31 16	2.00	.30	.30	.50	200	N	N	N	200	500	1.5	N	N
POM4804S	46 54 27	113 32 48	2.00	.50	.70	.30	700	N	N	N	200	700	2.0	N	N
POM4806S	46 53 14	113 31 56	2.00	.50	.30	.30	200	N	N	N	150	500	1.5	N	N
POM4808S	46 57 17	113 36 21	3.00	1.00	1.00	.50	500	<.5	N	N	150	500	2.0	N	N
POM4810S	46 57 22	113 37 9	2.00	.50	1.00	.30	500	N	N	N	100	500	3.0	N	N
POM4811S	46 57 32	113 34 23	2.00	.50	1.00	.30	1,000	N	N	N	100	1,000	1.5	N	N
POM4813S	46 57 27	113 34 15	2.00	.70	.30	.30	150	N	N	N	200	300	2.0	N	N
POM4814S	46 58 18	113 34 34	3.00	.70	.50	.30	700	N	N	N	150	700	3.0	N	N
POM4815S	46 59 34	113 35 25	3.00	.70	.50	.30	1,000	N	N	N	150	1,000	3.0	N	N
POM4818S	46 57 27	113 32 55	3.00	.70	.70	.30	700	N	N	N	150	700	3.0	N	N
POM4826S	46 56 24	113 36 1	2.00	.50	.50	.30	1,000	N	N	N	150	700	2.0	N	N
POM4827S	46 56 37	113 34 7	2.00	.70	.30	.30	300	N	N	N	100	700	2.0	N	N
POM4828S	46 56 37	113 34 7	2.00	.70	.30	.50	300	N	N	N	150	700	1.5	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00°

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
MIN4922S	10	100	30	100	N	<20	70	30	N	10	N	N	70	N	100	N	300
NEM0014S	7	50	30	50	N	<20	30	20	N	10	N	<100	50	N	50	N	700
NEM0015S	7	100	70	50	N	<20	30	30	N	10	N	100	100	N	50	N	700
NEM0033S	5	50	15	30	N	N	15	20	N	7	N	<100	50	N	30	N	300
NEM0224S	<5	30	70	30	N	<20	10	30	N	10	N	100	70	N	70	N	150
NEM0226S	7	50	30	30	N	<20	15	30	N	10	N	<100	70	N	70	N	300
NEM0227S	7	50	50	30	N	<20	10	50	N	10	N	<100	50	N	70	N	300
NEM0229S	7	50	20	30	N	<20	15	20	N	10	N	<100	70	N	30	N	300
NEM0232S	7	50	15	30	N	<20	15	20	N	7	N	<100	50	N	30	N	200
NEM0235S	7	50	20	30	N	<20	10	30	N	7	N	<100	50	N	30	N	300
NEM0402S	7	70	70	30	N	<20	20	30	N	10	N	<100	70	N	50	N	300
NEM0404S	10	70	30	30	N	<20	20	30	N	15	N	<100	70	N	50	N	300
NEM0406S	7	70	70	50	N	<20	50	30	N	15	<10	100	100	N	100	N	300
NEM0408S	5	50	15	30	N	<20	15	20	N	7	N	<100	70	N	50	N	300
NEM0410S	7	20	20	30	N	<20	15	20	N	7	N	N	50	N	50	N	200
NEM0414S	7	30	30	30	N	<20	15	20	N	10	N	100	50	N	50	N	200
NEM0415S	7	50	50	50	N	<20	20	20	N	10	N	100	100	N	50	N	150
NEM0581S	10	100	70	50	N	<20	30	20	N	15	N	100	70	N	70	N	300
NEM0583S	10	50	20	30	N	<20	20	50	N	7	N	<100	70	N	50	N	300
NEM0585S	10	15	70	30	N	<20	20	20	N	10	N	100	100	N	50	N	200
NEM0587S	10	70	20	50	N	<20	20	20	N	10	N	<100	50	N	30	N	300
NEM0588S	10	50	20	50	N	<20	15	20	N	10	N	<100	50	N	30	N	200
NEM0590S	10	30	20	20	N	<20	15	30	N	7	N	N	50	N	50	N	300
NEM0610S	5	50	15	30	N	<20	10	10	N	7	N	<100	70	N	20	N	300
NEM0808S	10	70	30	50	N	<20	20	20	N	15	N	<100	100	N	30	N	300
NEM0810S	7	50	20	50	<5	<20	15	20	N	10	N	<100	100	N	30	200	300
NEM0811S	7	20	20	50	N	<20	10	30	N	7	N	100	70	N	50	200	150
NEM1869S	7	50	30	70	N	<20	15	15	N	10	N	<100	50	N	50	N	300
NEM1871S	10	50	70	50	N	<20	20	20	N	15	N	<100	50	N	70	N	300
NEM1940S	7	50	15	50	N	<20	15	20	N	7	N	<100	50	N	30	500	300
POM1516S	7	50	20	50	N	<20	10	20	N	10	N	100	50	N	30	N	500
POM4802S	5	15	10	20	N	<20	7	30	N	5	N	N	50	N	20	N	300
POM4803S	5	15	10	70	N	<20	7	30	N	5	N	N	50	N	50	N	1,000
POM4804S	7	50	20	50	N	<20	15	30	N	7	N	<100	50	N	50	N	300
POM4806S	7	15	15	30	N	<20	10	20	N	5	N	<100	30	N	30	N	300
POM4808S	7	30	50	30	N	<20	30	70	N	7	N	N	70	N	50	N	300
POM4810S	7	30	20	30	N	<20	15	50	N	7	N	N	50	N	30	N	200
POM4811S	7	70	15	30	N	<20	10	20	N	5	N	N	50	N	20	N	200
POM4813S	7	20	15	30	N	<20	10	20	N	5	N	N	50	N	30	N	300
POM4814S	7	100	70	50	N	<20	30	20	N	10	N	<100	50	N	70	N	300
POM4815S	7	70	70	50	N	<20	30	30	N	7	N	<100	50	N	70	N	300
POM4818S	7	50	30	30	N	<20	20	30	N	7	N	N	50	N	30	N	300
POM4826S	7	15	15	30	N	<20	15	30	N	7	N	<100	50	N	50	N	300
POM4827S	7	30	15	50	N	<20	15	20	N	7	N	<100	50	N	50	N	300
POM4828S	7	50	15	30	N	<20	15	20	N	5	N	<100	50	N	30	N	300

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont.)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
MIN4922S	N	22.0	13.00	13.0	.07	.27	N	N
NEM0014S	N	2.0	1.00	1.2	<.02	.02	--	<1.0
NEM0015S	N	4.0	1.50	1.0	<.02	.03	<.5	<1.0
NEM0033S	N	.4	.50	.5	<.02	.02	<.5	<1.0
NEM0224S	N	8.2	3.00	2.5	.03	.04	--	<1.0
NEM0226S	N	1.5	1.20	1.4	<.02	.02	--	<1.0
NEM0227S	N	2.0	2.50	1.7	<.02	.03	--	<1.0
NEM0229S	N	1.0	1.10	1.4	<.02	.03	--	<1.0
NEM0232S	N	.6	.80	1.2	<.02	.02	--	<1.0
NEM0235S	N	.8	1.50	1.2	<.02	.04	--	<1.0
NEM0402S	N	5.8	1.50	1.7	<.02	.02	--	<1.0
NEM0404S	N	1.4	1.80	3.6	<.02	.03	--	<1.0
NEM0406S	N	3.5	1.00	1.4	<.02	<.02	--	<1.0
NEM0408S	N	.6	.70	.5	<.02	<.02	--	<1.0
NEM0410S	N	1.7	1.50	1.8	<.02	.02	--	<1.0
NEM0414S	N	3.2	1.20	.9	<.02	<.02	--	<1.0
NEM0415S	N	2.8	.90	.8	<.02	<.02	--	<1.0
NEM0581S	N	6.3	1.50	1.0	<.02	.02	<.5	<1.0
NEM0583S	N	11.0	20.00	44.0	.05	.09	N	N
NEM0585S	N	41.0	12.00	19.0	.12	.21	N	N
NEM0587S	N	.6	.50	1.0	<.02	<.02	<.5	<1.0
NEM0588S	N	.5	.80	1.4	<.02	<.02	<.5	<1.0
NEM0590S	N	14.0	9.00	9.0	.07	.11	N	N
NEM0610S	N	.5	.60	1.0	<.02	<.02	<.5	<1.0
NEM0808S	N	1.1	.90	.6	<.02	.02	<.5	<1.0
NEM0810S	N	2.0	1.50	1.0	<.02	.03	<.5	<1.0
NEM0811S	N	.9	1.50	.5	<.02	.02	<.5	<1.0
NEM1869S	N	1.2	.70	.6	<.02	<.02	<.5	<1.0
NEM1871S	N	6.7	1.50	1.0	.02	<.02	<.5	<1.0
NEM1940S	N	.7	1.00	<.5	<.02	.04	<.5	<1.0
POM1516S	N	6.0	6.00	12.0	<.05	.08	<1.0	<1.0
POM4802S	N	20.0	25.00	22.0	.26	.37	N	N
POM4803S	N	9.0	9.00	7.0	.16	.13	N	N
POM4804S	N	23.0	11.00	13.0	.17	.15	N	1.0
POM4806S	N	25.0	14.00	20.0	.23	.17	N	1.0
POM4808S	N	16.0	10.00	9.0	.15	.17	N	N
POM4810S	N	14.0	7.00	10.0	.18	.15	N	N
POM4811S	N	12.0	41.00	105.0	.05	.36	N	1.0
POM4813S	N	10.0	39.00	78.0	.38	.35	N	1.0
POM4814S	N	14.0	11.00	33.0	.13	.28	N	N
POM4815S	N	11.0	12.00	10.0	.06	.13	N	N
POM4818S	N	14.0	15.00	27.0	.12	.62	N	1.0
POM4826S	N	8.0	14.00	13.0	<.05	.50	N	2.0
POM4827S	N	13.0	16.00	15.0	.07	.69	1.0	1.0
POM4828S	N	8.0	8.00	6.0	<.05	.59	N	1.0

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.-STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
POM4829S	46 56 30	113 34 9	2.00	.50	1.00	.30	1,000	N	N	N	200	1,000	5.0	N	N
POM4830S	46 56 39	113 32 56	2.00	1.00	.50	.30	1,000	N	N	N	200	1,000	7.0	N	N
POM4832S	46 56 2	113 37 11	3.00	.70	.50	.50	1,000	N	N	N	300	1,000	2.0	N	N
POM4833S	46 57 39	113 31 39	3.00	1.00	.50	.50	1,000	N	N	N	200	700	3.0	N	N
POM4835S	46 57 49	113 31 8	2.00	.70	.30	.30	500	N	N	N	300	1,000	3.0	N	N
POM4836S	46 57 39	113 30 33	3.00	.70	.50	.30	500	N	N	N	300	1,000	2.0	N	N
POM4868S	46 56 50	113 31 43	3.00	.50	.30	.30	1,000	N	N	N	200	1,000	2.0	N	N
POM4869S	46 56 50	113 32 5	1.50	.70	.50	.30	500	N	N	N	150	700	3.0	N	N
POM4875S	46 52 48	113 30 19	5.00	.50	1.00	.50	1,000	N	N	N	70	1,500	3.0	N	N
POM4876S	46 54 16	113 34 22	1.50	.50	.30	.30	300	N	N	N	200	1,000	3.0	N	N
POM4877S	46 53 26	113 33 9	3.00	.50	.50	.50	300	N	N	N	200	1,000	2.0	N	N
POM4879S	46 53 34	113 35 27	3.00	.50	1.50	.50	700	N	200	N	100	700	3.0	N	N
POM4880S	46 54 12	113 36 18	1.50	.30	.30	.30	100	N	200	N	100	500	7.0	N	N
POM4881S	46 54 4	113 36 4	1.50	.30	.30	.50	200	N	N	N	200	700	2.0	N	N
POM4883S	46 59 31	113 35 39	2.00	.70	.50	.50	1,500	N	N	N	150	1,000	3.0	N	N
POM4884S	46 59 12	113 35 13	2.00	.50	.30	.30	2,000	N	N	N	150	1,000	3.0	N	N
RAV0456S	46 38 35	113 42 22	2.00	.50	.70	.20	700	N	N	N	150	1,000	7.0	N	N
RAV0458S	46 38 40	113 41 53	1.00	.30	.50	.10	300	N	N	N	70	700	7.0	N	N
RAV0460S	46 38 52	113 41 4	5.00	.70	.70	.30	1,500	N	N	N	300	1,000	3.0	N	N
RAV0462S	46 39 5	113 40 38	3.00	.70	.70	.20	500	N	N	N	150	1,000	5.0	N	N
RAV0463S	46 39 10	113 40 10	3.00	.70	.70	.30	500	N	N	N	150	700	5.0	N	N
RAV0558S	46 38 0	113 36 37	2.00	.30	1.00	.30	300	N	N	N	50	700	3.0	N	N
RAV0560S	46 36 38	113 38 14	5.00	.50	.50	.30	500	N	N	N	70	700	5.0	N	N
RAV0561S	46 37 13	113 36 8	2.00	.30	1.50	.20	200	<.5	N	N	70	1,000	5.0	N	N
RAV0685S	46 36 47	113 43 25	3.00	.50	1.50	.30	700	N	N	N	100	700	5.0	N	N
RAV0907S	46 36 52	113 43 26	2.00	.30	.70	.15	300	N	N	N	100	700	3.0	N	N
RAV0909S	46 36 47	113 43 10	3.00	.70	.70	.20	300	N	N	N	70	500	3.0	N	N
RAV1408S	46 39 28	113 35 37	2.00	.70	1.50	.30	700	N	N	N	70	1,000	2.0	N	N
RAV1409S	46 39 36	113 35 42	3.00	.70	1.50	.30	1,000	N	N	N	70	1,000	2.0	N	N
RAV1411S	46 39 26	113 36 2	5.00	1.00	.70	.30	500	N	N	N	70	1,000	3.0	N	N
RAV1412S	46 39 25	113 36 31	3.00	.70	.70	.20	700	N	N	N	70	1,000	3.0	N	N
RAV1414S	46 39 27	113 37 2	3.00	.50	.70	.20	2,000	N	N	N	100	1,000	3.0	N	N
RAV1447S	46 34 26	113 33 5	5.00	1.00	.50	.50	1,500	N	N	N	300	2,000	5.0	N	N
RAV1449S	46 34 22	113 32 59	3.00	1.00	1.00	.30	1,500	<.5	N	N	200	1,500	7.0	N	N
RAV1451S	46 34 26	113 32 20	1.00	.20	2.00	.20	1,000	N	N	N	150	1,000	5.0	N	N
RAV1453S	46 34 43	113 32 9	1.50	.30	1.00	.30	700	N	N	N	150	2,000	10.0	N	N
RAV1454S	46 35 15	113 31 28	3.00	1.00	1.00	.50	1,000	N	N	N	200	2,000	3.0	N	N
RAV1455S	46 35 12	113 31 12	3.00	.70	.70	.20	1,000	<.5	N	N	70	1,500	5.0	N	N
RAV1456S	46 35 25	113 30 42	.50	.20	1.50	.10	700	<.5	N	N	50	500	1.5	N	N
RAV1616S	46 30 14	113 36 40	1.50	.30	.70	.15	200	<.5	N	N	50	700	3.0	N	N
RAV1617S	46 30 32	113 36 45	1.00	.30	.20	.10	200	N	N	N	10	500	1.5	N	N
RAV1619S	46 30 32	113 37 4	1.50	.30	.15	.15	200	N	N	N	30	700	1.5	N	N
RAV1621S	46 30 49	113 36 53	1.50	.30	.70	.15	700	1.5	N	N	10	500	7.0	N	N
RAV1874S	46 32 27	113 45 0	3.00	.70	.70	.20	300	N	N	N	50	500	7.0	N	N
RAV1876S	46 42 44	113 41 6	5.00	1.00	.70	.30	500	N	N	N	70	700	3.0	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
POM4829S	7	30	20	50	N	<20	20	30	N	7	N	N	50	N	100	N	300
POM4830S	7	100	30	70	N	<20	30	30	N	7	N	<100	50	N	150	N	300
POM4832S	7	30	30	50	N	<20	15	20	N	7	N	N	50	N	30	N	300
POM4833S	7	70	50	70	N	<20	50	30	N	10	N	N	50	N	30	N	500
POM4835S	7	50	50	30	N	<20	30	20	N	7	N	N	50	N	50	N	300
POM4836S	7	100	30	30	N	<20	20	20	N	7	N	<100	50	N	30	N	500
POM4868S	7	100	20	50	N	<20	30	30	N	7	N	<100	50	N	100	N	700
POM4869S	7	70	20	30	N	<20	20	30	N	5	N	<100	30	N	50	N	300
POM4875S	10	15	20	50	N	<20	10	30	N	10	10	100	50	N	50	N	300
POM4876S	7	20	15	50	N	<20	15	30	N	5	10	<100	50	N	50	N	300
POM4877S	7	50	20	50	N	<20	10	30	N	5	10	<100	70	N	70	N	700
POM4879S	7	30	20	50	N	<20	7	30	N	7	N	100	50	N	70	N	300
POM4880S	7	50	20	50	N	<20	30	30	N	7	N	<100	50	N	70	N	200
POM4881S	5	30	15	50	N	<20	5	30	N	5	N	100	50	N	30	N	700
POM4883S	7	50	50	50	N	<20	30	70	N	10	N	<100	70	N	70	N	300
POM4884S	7	50	15	50	N	<20	20	20	N	7	N	<100	50	N	30	N	300
RAV0456S	5	50	50	30	N	N	50	20	N	10	N	<100	70	N	70	N	150
RAV0458S	N	20	30	20	N	N	10	15	N	5	N	<100	30	N	50	N	100
RAV0460S	30	70	70	50	N	<20	50	30	N	15	N	<100	100	N	70	N	200
RAV0462S	7	50	70	50	N	<20	30	20	N	10	N	100	100	N	70	N	150
RAV0463S	7	50	100	70	N	<20	50	20	N	15	N	100	100	N	100	N	150
RAV0558S	<5	20	20	30	N	N	10	10	N	7	N	<100	100	N	30	N	100
RAV0560S	15	50	70	50	N	<20	30	15	N	15	N	<100	50	N	70	N	200
RAV0561S	5	50	20	30	5	<20	30	15	N	10	N	150	30	N	70	N	150
RAV0685S	<5	50	30	30	N	N	5	20	N	7	N	<100	70	N	30	N	200
RAV0907S	5	50	20	30	N	N	10	15	N	7	N	<100	50	N	30	200	200
RAV0909S	7	50	30	70	N	<20	30	20	N	15	N	<100	70	N	70	300	300
RAV1408S	7	50	20	30	N	<20	15	20	N	10	N	150	50	N	50	N	150
RAV1409S	10	70	20	30	N	<20	15	30	N	10	N	150	70	N	30	N	200
RAV1411S	15	70	50	30	N	<20	30	20	N	15	N	100	70	N	50	N	200
RAV1412S	7	30	15	30	N	<20	10	15	N	10	N	100	50	N	50	N	150
RAV1414S	15	50	20	30	N	<20	15	30	N	7	N	100	50	N	30	N	150
RAV1447S	30	100	70	50	5	<20	70	70	N	10	N	<100	70	70	70	N	300
RAV1449S	10	150	50	50	N	<20	50	30	N	10	N	<100	70	N	70	N	300
RAV1451S	N	30	20	50	N	N	10	30	N	7	N	N	50	N	70	N	150
RAV1453S	N	100	15	30	N	<20	20	30	N	7	N	N	50	N	70	N	200
RAV1454S	7	100	15	50	N	<20	30	30	N	10	N	200	70	N	70	N	500
RAV1455S	10	70	20	30	N	<20	30	30	N	15	N	<100	50	N	70	N	200
RAV1456S	N	10	20	20	N	N	<5	30	N	10	N	N	30	N	15	<200	70
RAV1616S	N	20	50	30	10	N	20	30	N	7	N	<100	30	N	50	N	100
RAV1617S	N	15	10	20	20	N	15	20	N	5	N	<100	20	N	15	N	200
RAV1619S	5	20	10	30	<5	N	10	20	N	5	N	N	30	N	20	N	200
RAV1621S	50	15	70	30	70	N	30	20	N	5	N	150	30	N	70	N	150
RAV1874S	7	50	30	150	N	<20	30	15	N	15	N	100	50	N	150	N	150
RAV1876S	15	70	50	50	N	<20	30	15	N	15	N	<100	70	N	70	N	200

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
POM4829S	N	22.0	22.00	93.0	.13	2.16	1.0	1.0
POM4830S	N	26.0	19.00	28.0	.08	.80	1.0	1.0
POM4832S	N	27.0	18.00	24.0	.10	.94	N	1.0
POM4833S	N	9.0	47.00	110.0	.09	2.30	N	N
POM4835S	N	36.0	8.00	8.0	.07	.57	1.0	1.0
POM4836S	N	20.0	9.00	9.0	.05	.56	1.0	1.0
POM4868S	N	15.0	10.00	16.0	<.05	.36	N	N
POM4869S	N	19.0	11.00	16.0	.08	.39	N	1.0
POM4875S	N	8.0	15.00	23.0	<.05	.46	N	N
POM4876S	N	10.0	7.00	4.0	<.05	.36	N	N
POM4877S	N	8.0	7.00	5.0	<.05	.30	N	N
POM4879S	N	11.0	6.00	8.0	<.05	.17	N	1.0
POM4880S	N	30.0	9.00	9.0	.07	.25	N	<1.0
POM4881S	N	5.0	9.00	4.0	.08	.14	<1.0	2.0
POM4883S	N	33.0	58.00	12.0	.13	.21	2.0	1.0
POM4884S	N	9.0	6.00	15.0	.09	.23	1.0	<1.0
RAV0456S	N	2.5	1.00	.7	<.02	.02	--	<1.0
RAV0458S	N	7.2	1.60	1.6	<.02	.03	--	<1.0
RAV0460S	N	4.0	2.20	1.3	<.02	.03	--	<1.0
RAV0462S	N	14.0	1.70	1.6	<.02	.03	--	<1.0
RAV0463S	N	17.5	1.90	2.0	<.02	.03	--	<1.0
RAV0558S	N	--	--	--	--	--	--	--
RAV0560S	N	7.5	1.20	3.8	.02	.03	<.5	<1.0
RAV0561S	N	16.0	6.00	10.0	.10	.25	<1.0	<1.0
RAV0685S	N	3.5	1.00	2.0	<.02	.03	<.5	<1.0
RAV0907S	N	1.2	.80	.9	<.02	.03	<.5	<1.0
RAV0909S	N	1.8	.80	.8	<.02	.03	<.5	<1.0
RAV1408S	N	1.5	.70	1.6	<.02	.02	<.5	<1.0
RAV1409S	N	1.5	.80	3.5	<.02	.02	<.5	<1.0
RAV1411S	N	2.5	.50	1.0	<.02	.02	<.5	<1.0
RAV1412S	N	.8	1.10	2.2	<.02	.02	<.5	<1.0
RAV1414S	N	2.0	4.30	7.0	<.02	.08	<.5	<1.0
RAV1447S	N	35.0	.24	35.0	.15	.61	1.0	N
RAV1449S	N	13.0	5.00	8.0	.27	.29	2.0	1.0
RAV1451S	N	36.0	18.00	14.5	.07	.54	N	N
RAV1453S	N	18.6	13.90	23.0	N	.41	N	N
RAV1454S	N	4.0	6.00	13.0	N	.17	N	N
RAV1455S	N	1.6	2.50	2.5	.03	.04	<.5	<1.0
RAV1456S	N	3.8	4.80	7.0	.05	.09	<.5	<1.0
RAV1616S	N	8.2	1.20	7.8	.04	.50	--	<1.0
RAV1617S	N	.7	.80	.9	<.02	.05	--	<1.0
RAV1619S	N	.9	.80	<.5	<.02	.02	--	<1.0
RAV1621S	N	5.4	<.50	11.0	.07	.10	<.5	<1.0
RAV1874S	N	5.2	1.00	.6	<.02	<.02	<.5	<1.0
RAV1876S	N	4.8	.70	1.0	<.02	<.02	<.5	<1.0

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
RAV1877S	46 43 14	113 41 59	2.00	.50	.70	.15	500	N	N	N	70	700	3.0	N	N
RAV1878S	46 41 54	113 40 37	.70	.20	.70	.07	200	N	N	N	30	500	3.0	N	N
RAV1880S	46 39 37	113 39 2	3.00	.50	.70	.20	500	N	N	N	70	1,000	3.0	N	N
RAV1881S	46 43 1	113 35 47	3.00	1.00	1.50	.30	500	<.5	N	N	70	1,500	7.0	N	N
RAV1882S	46 42 34	113 35 4	5.00	1.00	1.00	.50	300	N	N	N	70	1,500	3.0	N	N
RAV1884S	46 42 26	113 34 39	3.00	1.00	.70	.30	300	<.5	N	N	70	1,000	5.0	N	N
RAV1893S	46 38 33	113 44 47	.70	.20	1.00	.10	500	N	N	N	30	300	2.0	N	N
RAV1894S	46 38 13	113 44 21	.50	.20	.70	.03	300	N	N	N	20	200	3.0	N	N
RAV1924S	46 30 27	113 41 16	2.00	.50	.30	.30	500	N	N	N	150	700	1.5	N	N
RAV1926S	46 30 24	113 41 20	1.00	.30	.70	.10	300	<.5	N	N	150	1,000	3.0	N	N
RAV1927S	46 30 35	113 41 30	3.00	.50	.30	.30	500	N	N	N	200	700	2.0	N	N
RAV1928S	46 30 35	113 42 42	2.00	.50	.70	.20	500	1.5	N	N	100	1,500	3.0	N	N
RAV1958S	46 34 19	113 44 32	3.00	1.00	.70	.30	300	N	N	N	50	700	2.0	N	N
RAV1960S	46 34 14	113 44 36	7.00	1.00	1.00	1.00	500	N	N	N	70	500	2.0	N	N
RAV1961S	46 33 53	113 43 15	3.00	1.00	.70	.30	200	<.5	N	N	50	500	2.0	N	N
RAV1963S	46 33 47	113 42 14	3.00	.70	.70	.30	200	N	N	N	70	500	2.0	N	N
RAV1964S	46 34 18	113 41 39	3.00	.50	.70	.20	300	<.5	N	N	70	300	3.0	N	N
RAV1965S	46 35 8	113 40 39	2.00	.70	.70	.20	200	N	N	N	70	300	3.0	N	N
RAV1966S	46 35 56	113 39 38	2.00	.30	.70	.15	200	N	N	N	50	500	3.0	N	N
RAV1967S	46 36 45	113 40 5	2.00	.50	1.00	.15	300	N	N	N	50	500	5.0	N	N
RAV1969S	46 36 39	113 39 23	3.00	.70	.50	.30	200	N	N	N	50	700	2.0	N	N
RAV1970S	46 37 38	113 39 7	3.00	.50	.70	.30	500	<.5	N	N	70	500	7.0	N	N
RAV1972S	46 39 10	113 39 37	2.00	.30	.70	.20	300	N	N	N	70	700	5.0	N	N
RAV1973S	46 44 47	113 44 3	.70	.30	.70	.15	150	N	N	N	50	700	3.0	N	N
RAV1974S	46 43 52	113 42 1	3.00	.50	1.00	.30	2,000	N	N	N	70	1,500	2.0	N	N
RAV1975S	46 44 21	113 42 31	3.00	.70	1.00	.30	300	N	N	N	70	1,000	5.0	N	N
RAV1976S	46 41 13	113 43 51	3.00	1.50	.50	.30	200	N	N	N	70	700	2.0	N	N
RAV1977S	46 41 13	113 43 51	5.00	2.00	.70	.30	300	N	N	N	70	700	2.0	N	N
RAV1979S	46 39 39	113 43 52	1.00	.30	.70	.15	100	N	N	N	50	700	3.0	N	N
RAV1981S	46 39 36	113 44 2	1.00	.20	1.00	.10	200	N	N	N	50	500	5.0	N	N
RAV1983S	46 40 36	113 43 45	2.00	.50	.50	.20	300	N	N	N	30	700	3.0	N	N
RAV1984S	46 40 50	113 42 55	3.00	1.00	.50	.20	200	N	N	N	50	500	2.0	N	N
RAV1985S	46 40 31	113 40 26	3.00	1.00	.70	.30	300	<.5	N	N	100	500	2.0	N	N
RAV1986S	46 39 59	113 40 16	.15	.07	1.00	.05	300	N	N	N	50	150	1.0	N	N
RAV1997S	46 35 21	113 35 58	3.00	.50	.70	.20	300	N	N	N	100	700	3.0	N	N
RAV1998S	46 35 18	113 35 37	5.00	.50	.50	.30	1,000	N	N	N	150	1,000	3.0	N	N
RAV2833S	46 35 24	113 34 45	3.00	.50	.50	.50	700	N	N	N	200	2,000	7.0	N	N
RAV2858S	46 41 18	113 35 46	2.00	.50	1.00	.30	1,500	N	N	N	50	700	1.5	N	N
RAV2859S	46 41 16	113 35 53	3.00	.70	1.50	.30	700	N	N	N	70	1,000	2.0	N	N
RAV2860S	46 41 23	113 36 35	3.00	.70	1.00	.30	700	.7	N	N	70	1,000	2.0	N	N
RAV2861S	46 41 45	113 37 13	2.00	.70	1.00	.30	1,000	N	N	N	150	500	3.0	N	N
RAV2862S	46 41 56	113 38 2	1.50	.50	1.00	.30	1,000	N	N	N	100	700	3.0	N	N
RAV2863S	46 42 7	113 38 27	3.00	1.00	1.50	.30	500	N	N	N	70	700	2.0	N	N
RAV2864S	46 42 13	113 39 11	5.00	2.00	1.50	.30	300	N	N	N	70	1,000	1.5	N	N
RAV2886S	46 36 21	113 31 7	3.00	.70	.70	.50	1,000	N	N	N	200	1,500	5.0	N	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
RAV1877S	<5	30	30	30	N	<20	15	15	N	10	N	<100	50	N	50	N	150
RAV1878S	N	50	30	30	N	N	10	10	N	5	N	N	30	N	50	N	30
RAV1880S	5	30	20	30	N	<20	15	15	N	7	N	100	5	N	30	N	150
RAV1881S	15	70	70	70	<5	<20	50	30	N	20	N	100	70	N	150	N	200
RAV1882S	15	50	30	50	N	<20	20	30	N	10	N	200	70	N	30	N	200
RAV1884S	7	70	20	50	N	<20	30	30	N	10	N	100	50	N	70	N	300
RAV1893S	N	30	10	30	N	N	5	15	N	<5	N	<100	30	N	20	N	70
RAV1894S	N	30	30	30	N	N	<5	15	N	<5	N	<100	20	N	30	N	20
RAV1924S	7	50	20	50	N	<20	15	20	N	10	N	<100	50	N	30	N	300
RAV1926S	N	15	20	30	N	N	10	10	N	7	N	<100	30	N	30	N	700
RAV1927S	7	30	20	50	N	<20	20	10	N	15	N	<100	70	N	30	N	200
RAV1928S	5	20	15	30	N	<20	15	15	N	10	N	<100	50	N	30	N	150
RAV1958S	7	70	15	70	N	<20	15	15	N	10	N	100	70	N	30	N	300
RAV1960S	10	70	30	50	N	<20	20	15	N	15	N	<100	70	N	70	N	300
RAV1961S	7	70	20	50	<5	<20	20	10	N	15	N	100	50	N	50	N	300
RAV1963S	7	70	20	100	<5	<20	20	15	N	10	N	100	50	N	50	N	300
RAV1964S	10	50	30	70	N	<20	30	10	N	10	N	<100	50	N	70	N	150
RAV1965S	7	30	15	50	N	<20	15	15	N	10	N	<100	50	N	50	N	200
RAV1966S	<5	30	50	50	N	N	10	15	N	10	N	<100	30	N	30	N	100
RAV1967S	10	30	100	70	N	<20	30	20	N	10	N	<100	50	N	100	N	150
RAV1969S	10	70	30	50	N	<20	20	10	N	10	N	<100	50	N	30	N	300
RAV1970S	10	70	200	100	N	<20	50	15	N	10	N	<100	50	N	150	N	200
RAV1972S	10	30	70	50	N	N	15	15	N	10	N	N	50	N	70	N	150
RAV1973S	<5	20	20	30	N	N	7	<10	N	7	N	N	30	N	30	N	70
RAV1974S	7	30	20	30	N	<20	15	20	N	7	N	100	50	N	20	<200	150
RAV1975S	7	50	30	30	N	<20	30	15	N	10	N	<100	50	N	50	N	200
RAV1976S	7	50	20	30	N	<20	15	10	N	10	N	N	70	N	20	N	150
RAV1977S	10	50	20	30	N	<20	15	10	N	10	N	N	70	N	30	N	150
RAV1979S	<5	30	15	30	N	<20	5	10	N	5	10	N	30	N	20	N	150
RAV1981S	<5	30	15	20	N	<20	5	<10	N	5	N	<100	30	N	20	N	150
RAV1983S	<5	30	15	30	N	<20	7	15	N	7	N	<100	50	N	20	N	150
RAV1984S	7	50	20	30	N	<20	10	10	N	7	N	N	50	N	30	N	150
RAV1985S	7	50	50	50	N	<20	20	70	N	10	N	N	50	N	30	N	150
RAV1986S	N	<10	10	20	N	N	<5	20	N	<5	N	N	15	N	10	N	30
RAV1997S	7	30	15	30	N	<20	20	30	N	10	N	200	50	N	50	N	150
RAV1998S	7	50	20	50	7	<20	50	20	N	10	N	<100	70	N	50	N	200
RAV2833S	20	70	30	50	N	<20	50	20	N	7	N	<100	70	N	50	N	300
RAV2858S	7	30	20	30	N	<20	10	20	N	10	N	100	50	N	20	N	150
RAV2859S	7	50	20	30	N	<20	20	20	N	10	N	100	50	N	70	N	150
RAV2860S	10	70	30	30	N	<20	20	20	N	10	N	100	50	N	70	N	150
RAV2861S	5	30	15	30	N	<20	15	30	N	5	N	N	50	N	30	N	150
RAV2862S	<5	50	20	30	N	<20	10	30	N	5	N	<100	50	N	20	N	200
RAV2863S	7	30	20	30	N	<20	15	15	N	10	N	100	50	N	30	N	100
RAV2864S	10	70	20	50	N	<20	20	15	N	15	N	100	50	N	30	N	200
RAV2886S	10	70	15	30	N	<20	20	30	N	7	N	<100	70	N	70	N	300

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
RAV1877S	N	5.8	.80	1.4	<.02	<.02	<.5	<1.0
RAV1878S	N	13.0	1.00	2.0	<.02	.02	<.5	<1.0
RAV1880S	N	2.7	.60	2.0	<.02	.02	<.5	<1.0
RAV1881S	N	7.5	3.30	2.3	.02	.13	<.5	<1.0
RAV1882S	N	2.1	1.00	2.5	<.02	<.02	<.5	<1.0
RAV1884S	N	2.0	1.70	4.5	.02	.05	<.5	<1.0
RAV1893S	N	.9	2.10	2.0	<.02	.06	<.5	<1.0
RAV1894S	N	9.4	2.20	1.3	<.02	.45	<.5	<1.0
RAV1924S	N	1.5	.50	.3	.02	<.02	<.5	<1.0
RAV1926S	N	3.3	1.00	1.1	.04	.02	<.5	<1.0
RAV1927S	N	1.5	<.50	.5	.02	.02	<.5	<1.0
RAV1928S	N	1.0	.70	1.2	.05	.04	<.5	<1.0
RAV1958S	N	.4	<.50	<.5	<.02	<.02	.5	<1.0
RAV1960S	N	1.7	.50	.7	<.02	<.02	<.5	<1.0
RAV1961S	N	.6	<.50	<.5	<.02	<.02	<.5	<1.0
RAV1963S	N	.4	<.50	<.5	<.02	<.02	<.5	<1.0
RAV1964S	N	2.2	.60	.8	.03	<.02	<.5	<1.0
RAV1965S	N	.9	.60	.8	<.02	<.02	<.5	<1.0
RAV1966S	N	6.0	.80	1.0	<.02	<.02	<.5	<1.0
RAV1967S	N	16.0	.70	1.0	<.02	.02	<.5	<1.0
RAV1969S	N	2.5	.50	.5	<.02	.02	<.5	<1.0
RAV1970S	N	35.0	.70	1.0	.03	.05	<.5	<1.0
RAV1972S	N	9.5	.90	.7	<.02	.03	<.5	<1.0
RAV1973S	N	2.5	.80	2.0	<.02	.02	<.5	<1.0
RAV1974S	N	1.7	1.20	5.0	.02	.05	<.5	<1.0
RAV1975S	N	2.6	.60	1.0	<.02	.02	<.5	<1.0
RAV1976S	N	1.0	<.50	.5	<.02	<.02	<.5	<1.0
RAV1977S	N	1.2	<.50	.7	.02	<.02	<.5	<1.0
RAV1979S	N	.9	.50	<.5	.02	<.02	<.5	<1.0
RAV1981S	N	1.6	.50	1.0	<.02	<.02	<.5	<1.0
RAV1983S	N	1.0	.90	1.0	<.02	.02	<.5	<1.0
RAV1984S	N	2.0	<.50	<.5	<.02	<.02	.5	<1.0
RAV1985S	N	2.8	7.70	1.5	.02	.02	<.5	<1.0
RAV1986S	N	2.1	4.30	5.0	.02	.06	<.5	<1.0
RAV1997S	N	4.0	9.00	6.0	.08	.07	<1.0	<1.0
RAV1998S	N	10.0	13.00	15.0	.08	.19	<1.0	<1.0
RAV2833S	N	23.0	5.00	5.0	.08	.26	N	N
RAV2858S	N	.8	1.00	1.0	<.02	<.02	<.5	<1.0
RAV2859S	N	2.0	2.50	1.8	.02	.04	<.5	<1.0
RAV2860S	N	2.5	1.00	1.5	.02	.02	<.5	<1.0
RAV2861S	N	9.0	18.00	8.0	<.05	.23	1.0	1.0
RAV2862S	N	14.0	27.00	18.0	.07	.21	2.0	1.0
RAV2863S	N	.9	1.00	1.5	<.02	.02	<.5	<1.0
RAV2864S	N	.8	.70	.7	<.02	<.02	<.5	<1.0
RAV2886S	N	7.0	6.00	7.0	.05	.27	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
RAV2901S	46 36 31	113 34 17	7.00	.50	.20	.15	1,000	<.5	N	N	200	1,500	2.0	N	N
RAV2902S	46 37 42	113 34 20	2.00	1.00	1.00	.30	700	N	N	N	200	1,000	5.0	N	N
RAV2903S	46 37 27	113 34 25	2.00	.70	.70	.20	500	N	N	N	200	1,500	5.0	N	N
RAV2904S	46 33 57	113 35 42	.70	.30	.70	.07	500	N	N	N	50	700	5.0	N	N
RAV2906S	46 34 0	113 35 39	.70	.30	1.50	.10	700	N	N	N	50	500	2.0	N	N
RAV2907S	46 34 11	113 36 30	5.00	.50	.70	.30	5,000	N	N	N	70	1,500	7.0	N	N
RAV2908S	46 34 14	113 37 11	1.50	.30	.70	.15	700	N	N	N	70	700	5.0	N	N
RAV2909S	46 34 32	113 37 31	1.50	.30	1.00	.20	700	<.5	N	N	50	700	2.0	<10	N
RAV2910S	46 38 28	113 39 14	3.00	.70	1.50	.50	1,500	N	N	N	50	3,000	2.0	N	N
RAV2915S	46 38 47	113 41 14	2.00	.30	.70	.30	500	.7	N	N	50	500	1.5	<10	N
RAV2916S	46 38 47	113 41 20	3.00	.50	.70	.30	700	N	N	N	100	700	5.0	N	N
RAV2919S	46 32 9	113 35 25	1.00	.30	.70	.10	300	N	N	N	70	2,000	7.0	N	N
RAV2920S	46 32 5	113 35 24	5.00	1.00	.70	.30	1,000	.5	N	N	150	700	5.0	N	N
RAV2922S	46 31 45	113 36 20	2.00	.30	2.00	.15	500	.7	N	N	50	700	7.0	N	N
RAV2924S	46 31 23	113 37 9	2.00	.50	.50	.20	300	N	N	N	100	1,000	2.0	N	N
RAV2926S	46 31 11	113 37 15	2.00	.50	.50	.20	300	N	N	N	150	1,000	2.0	N	N
RAV2928S	46 31 8	113 37 8	2.00	.50	.30	.20	300	N	N	N	100	1,000	2.0	N	N
RAV2929S	46 31 26	113 37 32	2.00	.30	.30	.20	300	N	N	N	100	700	2.0	N	N
RAV2931S	46 31 53	113 37 52	3.00	.70	.50	.30	300	N	N	N	150	700	2.0	N	N
RAV2932S	46 32 20	113 37 59	1.50	.30	.30	.20	300	N	N	N	100	500	2.0	N	N
RAV2933S	46 32 48	113 38 5	1.00	.20	.70	.10	300	<.5	N	N	50	150	3.0	N	N
RAV2935S	46 33 3	113 38 13	1.50	.50	.20	.20	200	<.5	N	N	50	500	1.5	20	N
RAV2936S	46 33 27	113 38 8	.70	.30	1.50	.10	300	N	N	N	30	1,000	2.0	N	N
RAV2938S	46 34 28	113 39 19	.70	.10	.50	.07	200	<.5	N	N	50	200	2.0	N	N
RAV2939S	46 34 5	113 39 12	3.00	.70	1.00	.20	500	.5	N	N	50	500	5.0	N	N
RAV2943S	46 32 4	113 44 43	3.00	.70	1.50	.30	500	1.0	N	N	70	700	7.0	N	N
RAV2944S	46 32 37	113 44 22	1.00	.20	1.00	.15	500	.5	N	N	20	300	1.5	N	N
RAV2945S	46 33 9	113 44 10	2.00	.70	1.50	.30	500	N	N	N	100	500	10.0	N	N
RAV2946S	46 33 21	113 42 35	2.00	.50	1.50	.20	300	N	N	N	150	500	5.0	N	N
RAV2947S	46 33 45	113 41 52	1.50	.70	1.00	.30	300	N	N	N	200	700	5.0	N	N
RAV2948S	46 35 39	113 39 13	3.00	.50	1.00	.20	1,000	N	N	N	50	1,000	2.0	N	N
RAV2949S	46 38 29	113 38 44	3.00	.70	.70	.20	500	N	N	N	70	1,000	7.0	N	N
RAV2950S	46 39 50	113 33 56	2.00	.50	.70	.20	1,000	N	N	N	70	700	2.0	N	N
RAV2951S	46 39 47	113 33 4	3.00	1.00	.70	.20	300	N	N	N	100	1,000	3.0	N	N
RAV2952S	46 40 32	113 33 32	3.00	.70	1.50	.30	1,000	1.0	N	N	100	1,500	3.0	N	N
RAV2953S	46 40 30	113 33 31	3.00	.70	1.50	.20	500	<.5	N	N	15	1,500	1.0	N	N
RAV2955S	46 42 20	113 32 52	3.00	1.00	1.50	.30	500	N	N	N	100	1,000	5.0	N	N
RAV2981S	46 43 54	113 35 6	2.00	1.00	1.00	.30	500	N	N	N	200	700	3.0	N	N
RAV2982S	46 44 42	113 40 11	2.00	1.50	1.50	.30	300	5.0	N	N	150	1,000	7.0	N	N
RAV2983S	46 43 42	113 37 10	3.00	2.00	5.00	.30	700	N	N	N	150	1,500	5.0	N	N
RAV2984S	46 43 42	113 37 10	3.00	2.00	5.00	.30	500	N	N	N	150	500	2.0	N	N
RAV2985S	46 43 48	113 33 24	2.00	5.00	10.00	.30	300	N	N	N	100	300	3.0	N	N
RAV2986S	46 43 24	113 31 54	3.00	.70	.70	.50	300	N	N	N	200	1,000	5.0	N	N
RAV2987S	46 42 31	113 31 11	3.00	.70	1.50	.30	300	N	N	N	30	1,000	2.0	N	N
RAV2990S	46 40 19	113 31 9	3.00	1.00	.70	.30	300	N	N	N	300	1,000	5.0	N	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
RAV2901S	5	30	100	30	<5	<20	15	30	N	7	<10	N	50	100	30	N	150
RAV2902S	7	50	20	50	N	<20	30	20	N	7	N	N	70	N	50	N	200
RAV2903S	7	70	70	30	N	<20	30	20	N	7	N	<100	70	N	30	N	200
RAV2904S	N	20	20	20	N	N	15	10	N	5	N	N	30	N	30	N	30
RAV2906S	N	15	15	30	N	N	7	30	N	5	N	N	30	N	20	N	100
RAV2907S	30	50	50	50	5	<20	100	30	N	15	N	100	70	N	100	N	200
RAV2908S	<5	15	50	30	<5	N	10	<10	N	5	N	<100	30	N	30	N	100
RAV2909S	<5	15	50	20	N	<20	10	100	N	7	N	100	50	N	20	N	100
RAV2910S	7	50	30	30	N	<20	30	20	N	10	N	300	70	N	30	N	200
RAV2915S	N	20	70	30	5	<20	10	150	N	7	N	100	100	N	20	N	150
RAV2916S	7	50	70	30	<5	N	50	20	N	15	N	N	50	N	70	N	150
RAV2919S	<5	15	15	30	N	N	15	10	N	7	N	<100	30	N	50	N	100
RAV2920S	50	70	70	50	N	<20	70	30	N	10	N	100	70	N	150	N	500
RAV2922S	<5	15	70	30	N	N	10	15	N	5	N	<100	50	N	200	N	100
RAV2924S	7	50	20	30	5	N	20	15	N	10	N	100	50	N	50	N	200
RAV2926S	7	50	30	30	<5	<20	30	15	N	7	N	N	50	N	100	N	500
RAV2928S	7	30	20	30	10	<20	15	20	N	7	N	N	50	N	30	N	150
RAV2929S	5	20	20	30	<5	<20	15	15	N	7	N	<100	30	N	30	N	150
RAV2931S	10	50	50	30	5	<20	15	20	N	10	N	100	50	N	30	N	150
RAV2932S	7	20	20	30	<5	<20	20	15	N	7	N	N	30	N	20	N	200
RAV2933S	<5	20	70	50	N	N	15	10	N	7	N	<100	30	N	50	N	70
RAV2935S	7	20	15	30	<5	<20	15	20	N	7	N	<100	30	N	20	N	200
RAV2936S	<5	15	50	30	7	N	10	15	N	7	N	<100	30	N	20	N	70
RAV2938S	<5	15	15	30	<5	N	10	<10	N	7	N	N	30	N	30	N	50
RAV2939S	7	50	70	100	N	<20	30	15	N	10	N	<100	50	N	200	N	150
RAV2943S	7	70	20	70	N	<20	30	30	N	10	N	<100	50	N	150	N	300
RAV2944S	<5	15	20	30	N	N	5	50	N	5	N	<100	30	N	10	N	70
RAV2945S	7	50	50	150	N	<20	50	20	N	15	N	<100	70	N	200	N	200
RAV2946S	5	30	15	50	N	<20	10	30	N	5	N	150	50	N	50	N	200
RAV2947S	5	30	15	200	<5	<20	15	20	N	7	N	150	50	N	200	N	300
RAV2948S	15	30	30	30	N	<20	30	15	N	10	N	100	50	N	20	N	150
RAV2949S	10	50	30	50	N	<20	30	15	N	15	N	N	50	N	70	N	100
RAV2950S	7	30	20	30	N	<20	10	20	N	7	N	100	50	N	15	N	150
RAV2951S	7	50	20	50	N	<20	20	20	N	10	N	200	50	N	50	N	150
RAV2952S	10	100	50	50	N	<20	50	100	N	7	N	700	50	N	20	N	200
RAV2953S	10	50	20	30	N	N	20	30	N	7	N	500	30	N	15	N	100
RAV2955S	10	70	30	50	N	<20	30	50	N	7	N	500	70	N	30	N	200
RAV2981S	7	70	20	50	N	<20	20	200	N	7	N	<100	50	N	30	N	300
RAV2982S	7	30	20	50	N	<20	20	20	N	7	N	N	50	N	70	N	300
RAV2983S	7	100	15	50	N	<20	15	30	N	7	N	<100	50	N	30	N	300
RAV2984S	7	50	15	50	N	<20	10	30	N	5	<10	<100	50	N	20	N	200
RAV2985S	7	50	20	30	N	<20	15	30	N	7	N	<100	50	N	30	N	300
RAV2986S	7	100	20	70	N	<20	30	30	N	7	N	<100	50	N	50	N	500
RAV2987S	10	70	20	30	N	<20	20	30	N	10	N	300	50	N	20	N	150
RAV2990S	7	100	20	50	N	<20	30	30	N	7	N	<100	70	N	50	N	500

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
RAV2901S	N	99.0	10.00	18.0	.36	.20	<1.0	2.5
RAV2902S	N	21.0	12.00	17.0	.07	.17	1.0	1.0
RAV2903S	N	66.0	10.00	35.0	.12	.25	1.0	1.0
RAV2904S	N	18.0	5.00	18.0	.09	.20	<1.0	<1.0
RAV2906S	N	--	--	--	--	--	--	--
RAV2907S	N	14.0	21.00	20.0	.15	.62	2.5	<1.0
RAV2908S	N	25.0	2.00	6.0	.10	.11	<1.0	<1.0
RAV2909S	N	33.0	125.00	100.0	.30	1.74	5.5	1.5
RAV2910S	N	6.0	7.00	20.0	<.05	.39	<1.0	<1.0
RAV2915S	N	48.0	150.00	40.0	.35	.83	5.5	1.5
RAV2916S	N	45.0	3.00	4.0	<.05	.08	<1.0	<1.0
RAV2919S	N	5.0	3.00	4.0	.08	.13	<1.0	<1.0
RAV2920S	N	22.0	10.00	18.0	.30	.43	1.0	<1.0
RAV2922S	N	20.0	1.00	14.0	.15	.13	<1.0	<1.0
RAV2924S	N	11.0	3.00	5.0	.12	.16	<1.0	<1.0
RAV2926S	N	18.0	4.00	6.0	.15	.34	<1.0	<1.0
RAV2928S	N	14.0	22.00	32.0	<.05	.75	<1.0	<1.0
RAV2929S	N	18.0	5.00	6.0	<.05	.15	<1.0	<1.0
RAV2931S	N	23.0	4.00	12.0	<.05	.35	<1.0	<1.0
RAV2932S	N	13.0	4.00	6.0	<.05	.10	<1.0	<1.0
RAV2933S	N	140.0	6.00	16.0	.06	.30	<1.0	<1.0
RAV2935S	N	7.0	1.00	15.0	<.05	.30	<1.0	<1.0
RAV2936S	N	83.0	6.00	15.0	.10	.28	<1.0	<1.0
RAV2938S	N	24.0	5.00	15.0	.15	.25	1.0	<1.0
RAV2939S	N	12.0	1.50	1.8	.06	.05	<.5	<1.0
RAV2943S	N	27.0	10.00	42.0	.81	.20	N	N
RAV2944S	N	4.8	10.00	16.0	.06	.18	1.0	<1.0
RAV2945S	N	59.0	10.00	9.0	.18	<.05	N	N
RAV2946S	N	12.0	8.00	4.0	.19	N	N	N
RAV2947S	N	11.0	6.00	5.0	.09	.11	N	N
RAV2948S	N	4.1	1.00	.8	.02	.05	<.5	<1.0
RAV2949S	N	2.9	1.00	1.0	.03	<.02	<.5	<1.0
RAV2950S	N	.7	.80	3.0	.02	.02	<.5	<1.0
RAV2951S	N	1.5	.70	1.7	.02	.02	<.5	<1.0
RAV2952S	N	33.0	35.00	45.0	.50	.55	1.0	N
RAV2953S	N	1.1	1.30	3.0	.04	.05	<.5	<1.0
RAV2955S	N	20.0	12.00	2.0	.08	.12	N	N
RAV2981S	N	17.0	200.00	22.0	<.05	<.05	N	N
RAV2982S	N	17.0	13.00	14.0	<.05	N	N	8.0
RAV2983S	N	6.0	6.00	25.0	N	.20	N	N
RAV2984S	N	4.0	5.00	21.0	N	.09	N	N
RAV2985S	N	12.0	8.00	13.0	<.05	<.05	N	N
RAV2986S	N	13.0	8.00	13.0	N	.11	N	N
RAV2987S	N	1.9	1.30	2.5	.04	.03	<.5	<1.0
RAV2990S	N	17.0	10.00	8.0	.07	.32	1.0	1.0

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00*

TABLE 3.STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
RAV2991S	46 40 19	113 31 9	1.00	.30	.70	.30	500	N	N	N	100	1,500	7.0	N	N
RAV2992S	46 40 15	113 30 39	2.00	.70	1.00	.30	700	N	N	N	150	1,500	7.0	N	N
RAV2993S	46 40 31	113 30 17	3.00	7.00	10.00	.30	1,000	N	N	N	200	1,500	3.0	N	N
RAV2994S	46 41 30	113 30 14	2.00	1.00	2.00	.30	700	N	N	N	50	2,000	5.0	N	N
RAV3138S	46 30 52	113 30 44	1.50	.50	.50	.30	300	<.5	N	N	30	500	5.0	<10	N
RAV3140S	46 31 0	113 30 38	1.50	.70	.30	.30	300	N	N	N	100	500	2.0	N	N
RAV3143S	46 30 47	113 30 24	2.00	.70	.30	.30	1,000	N	N	N	150	700	7.0	N	N
RAV3145S	46 30 47	113 30 24	2.00	1.00	.30	.30	1,000	N	N	N	150	700	5.0	N	N
RAV3147S	46 30 25	113 30 25	2.00	.70	.30	.50	1,000	N	N	N	70	500	2.0	N	N
RAV3800S	46 41 56	113 35 3	3.00	.50	.70	.50	500	N	N	N	50	1,000	2.0	N	N
RAV3801S	46 41 52	113 34 58	3.00	.70	.70	.30	500	<.5	N	N	70	1,000	2.0	N	N
RAV3802S	46 42 8	113 34 38	2.00	.70	1.00	.30	300	N	N	N	150	1,500	5.0	N	N
RAV3903S	46 31 45	113 30 47	1.50	.50	.20	.30	200	N	N	N	150	1,000	2.0	N	N
RAV3904S	46 31 46	113 30 4	5.00	.70	.70	.30	1,500	N	N	N	150	2,000	5.0	10	N
RAV3905S	46 32 4	113 30 46	3.00	.70	.50	.30	1,500	N	N	N	200	2,000	5.0	N	N
RAV3907S	46 32 14	113 30 57	5.00	.50	.30	.20	3,000	N	N	N	100	1,500	15.0	10	N
RAV3911S	46 32 15	113 30 50	1.50	.50	.30	.20	700	<.5	N	N	150	1,500	3.0	N	N
RAV3913S	46 32 33	113 30 40	2.00	.50	.20	.30	200	N	N	N	300	1,500	3.0	N	N
RAV3914S	46 32 33	113 30 47	2.00	.50	.30	.20	1,000	N	N	N	150	1,000	3.0	N	N
RAV3916S	46 31 9	113 31 59	2.00	.50	.50	.50	200	1.0	N	N	100	500	3.0	N	N
RAV3918S	46 31 13	113 31 56	2.00	.20	.70	.30	700	N	N	N	50	700	20.0	<10	N
RAV3920S	46 30 44	113 30 19	2.00	.70	.30	.20	700	<.5	N	N	70	1,000	2.0	N	N
RAV3922S	46 30 25	113 30 5	2.00	.50	.50	.20	300	<.5	N	N	70	1,000	2.0	N	N
RAV3924S	46 44 59	113 43 23	2.00	1.00	.70	.30	300	N	N	N	200	500	3.0	N	N
RAV4981S	46 43 4	113 32 0	1.50	7.00	10.00	.20	500	N	N	N	100	700	3.0	N	N
RAV5905S	46 37 47	113 31 4	2.00	1.50	1.50	.30	1,000	N	N	N	300	700	5.0	N	N
RAV5907S	46 37 44	113 32 0	2.00	1.00	1.50	.30	700	N	N	N	200	700	7.0	N	N
SEM0592S	46 45 13	113 56 24	1.50	.70	10.00	.20	150	N	N	N	70	300	2.0	N	N
SEM0594S	46 45 26	113 56 49	2.00	1.00	1.50	.20	300	N	N	N	50	500	1.5	N	N
SEM0596S	46 46 16	113 54 13	1.50	.30	.70	.20	300	N	N	N	70	300	3.0	N	N
SEM0598S	46 46 19	113 54 9	1.50	.30	.70	.15	300	N	N	N	70	300	3.0	N	N
SEM1400S	46 46 21	113 54 16	.30	.10	.70	.07	200	N	N	N	50	300	2.0	N	N
SEM1402S	46 46 45	113 56 42	3.00	.70	1.00	.30	1,000	N	N	N	50	1,000	2.0	N	N
SEM1404S	46 46 39	113 58 35	3.00	1.50	1.00	.50	1,000	N	N	N	200	1,500	5.0	N	N
SEM1417S	46 49 51	113 58 37	2.00	.30	.30	.20	1,500	N	N	N	150	1,500	2.0	N	N
SEM1419S	46 49 42	113 58 26	3.00	.70	1.50	.50	1,000	N	N	N	150	2,000	7.0	N	N
SEM1420S	46 49 44	113 58 6	2.00	.70	.70	.50	500	N	N	N	200	1,500	3.0	N	N
SEM1422S	46 49 15	113 57 31	3.00	.70	.70	.50	700	N	N	N	200	1,500	5.0	N	N
SEM1424S	46 49 35	113 57 6	3.00	.70	.70	.30	1,000	N	N	N	100	1,000	2.0	N	N
SEM1426S	46 49 5	113 56 0	3.00	.70	.70	.50	1,000	N	N	N	200	2,000	7.0	N	N
SEM1428S	46 49 19	113 56 33	3.00	.70	.50	.30	500	N	N	N	70	1,000	2.0	N	N
SEM1430S	46 49 21	113 56 32	3.00	.70	.50	.30	500	N	N	N	100	1,000	1.5	N	N
SEM1431S	46 50 15	113 57 15	5.00	.70	.70	.70	1,000	N	N	N	100	1,000	3.0	N	N
SEM1433S	46 48 54	113 54 22	2.00	.70	.70	.30	700	N	N	N	200	2,000	5.0	N	N
SEM1435S	46 48 49	113 54 13	3.00	1.00	1.00	.70	1,000	N	N	N	200	1,500	3.0	N	N

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
RAV2991S	N	15	20	50	N	N	15	20	N	5	N	<100	50	N	100	N	200
RAV2992S	5	70	30	50	N	<20	15	30	N	7	N	N	50	N	70	N	200
RAV2993S	7	70	30	20	N	<20	30	70	N	5	N	<100	50	N	50	N	300
RAV2994S	7	70	20	150	N	<20	50	30	N	5	N	1,500	50	N	20	N	150
RAV3138S	10	50	70	30	7	<20	20	20	N	7	N	100	30	N	50	N	200
RAV3140S	<5	30	15	50	N	<20	10	30	N	7	N	<100	50	N	30	N	300
RAV3143S	7	30	15	50	N	N	15	20	N	10	N	<100	70	N	50	N	300
RAV3145S	7	50	30	50	N	N	30	30	N	10	N	<100	70	N	50	N	300
RAV3147S	7	50	20	50	7	<20	10	30	N	7	N	100	70	N	30	N	300
RAV3800S	7	70	15	50	N	<20	20	30	N	10	N	300	50	N	20	N	200
RAV3801S	10	50	20	50	N	<20	30	50	N	10	N	100	50	N	50	N	200
RAV3802S	7	50	20	30	N	<20	30	50	N	7	N	300	50	N	30	N	200
RAV3903S	5	20	10	50	N	<20	5	20	N	5	N	N	30	N	30	N	700
RAV3904S	50	100	30	30	7	<20	50	30	N	7	N	<100	70	<50	50	N	300
RAV3905S	10	100	30	50	N	<20	30	20	N	7	N	N	70	N	50	N	300
RAV3907S	70	100	70	50	30	<20	70	30	N	7	N	N	70	N	100	1,000	200
RAV3911S	7	50	20	30	N	<20	10	30	N	5	N	N	30	N	30	N	300
RAV3913S	7	70	10	30	N	<20	15	20	N	7	N	N	50	N	50	N	300
RAV3914S	7	20	15	70	N	<20	15	20	N	7	N	N	30	N	30	N	200
RAV3916S	5	70	30	50	10	<20	15	30	N	7	N	<100	50	N	30	N	300
RAV3918S	70	20	70	30	10	<20	30	20	N	5	N	<100	50	N	70	N	200
RAV3920S	10	50	20	30	N	<20	15	20	N	10	N	100	50	N	30	N	200
RAV3922S	7	30	15	30	N	<20	15	15	N	10	N	<100	50	N	20	N	150
RAV3924S	7	50	15	20	N	<20	20	20	N	5	N	N	50	N	30	N	300
RAV4981S	5	100	15	30	N	<20	15	50	N	5	N	<100	30	N	20	N	200
RAV5905S	7	100	70	30	N	<20	50	50	N	10	N	N	50	N	50	N	300
RAV5907S	10	150	50	50	N	<20	70	30	N	10	N	N	70	N	70	N	200
SEM0592S	<5	20	15	30	N	N	10	10	N	7	N	100	30	N	50	N	70
SEM0594S	5	30	15	50	N	<20	15	15	N	7	N	<100	30	N	30	N	150
SEM0596S	<5	20	30	30	N	<20	10	15	N	5	N	<100	30	N	30	N	150
SEM0598S	<5	30	20	30	N	N	10	15	N	7	N	N	30	N	20	N	100
SEM1400S	N	15	15	30	N	N	5	10	N	5	N	N	20	N	10	N	30
SEM1402S	7	50	50	30	N	<20	20	20	N	10	N	150	50	N	70	N	200
SEM1404S	10	150	100	100	N	<20	70	30	N	10	N	150	70	N	50	N	300
SEM1417S	7	30	20	50	N	<20	15	30	N	7	N	100	50	N	30	N	150
SEM1419S	7	100	70	30	N	<20	50	30	N	10	N	<100	70	N	50	N	300
SEM1420S	7	50	20	30	N	<20	15	30	N	7	N	<100	50	N	30	N	500
SEM1422S	7	50	30	50	N	<20	30	30	N	10	N	<100	70	N	70	N	300
SEM1424S	10	50	30	50	N	<20	15	50	N	7	N	100	70	N	70	N	300
SEM1426S	10	50	30	70	N	<20	20	30	N	10	N	<100	50	N	100	N	300
SEM1428S	10	50	20	50	N	<20	15	30	N	10	N	100	70	N	70	N	300
SEM1430S	10	50	15	50	N	<20	15	70	N	7	N	100	70	N	30	N	500
SEM1431S	15	30	50	70	N	<20	20	30	N	10	N	100	100	N	100	N	500
SEM1433S	7	50	15	30	N	<20	20	30	N	7	N	<100	50	N	50	N	200
SEM1435S	10	50	30	30	N	<20	30	30	N	10	N	N	70	N	50	N	300

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
RAV2991S	N	36.0	11.00	14.0	.06	.12	N	N
RAV2992S	N	35.0	16.00	16.0	<.05	.17	N	N
RAV2993S	N	14.0	19.00	11.0	N	N	N	N
RAV2994S	N	17.0	8.00	18.0	<.05	.09	N	N
RAV3138S	N	39.0	6.00	48.0	.18	.70	2.0	N
RAV3140S	N	6.0	4.00	6.0	<.05	.15	1.0	N
RAV3143S	N	9.0	6.00	5.0	.06	.15	<1.0	N
RAV3145S	N	15.0	6.00	5.0	.09	.10	1.0	N
RAV3147S	N	5.0	7.00	3.0	<.05	.05	1.0	N
RAV3800S	N	.5	.80	2.4	.02	<.02	<.5	<1.0
RAV3801S	N	1.8	4.50	5.5	.04	.08	<.5	<1.0
RAV3802S	N	10.0	6.00	17.0	<.05	.10	N	N
RAV3903S	N	5.0	14.00	25.0	<.05	.21	1.0	N
RAV3904S	N	18.0	5.00	46.0	.17	1.68	10.0	1.0
RAV3905S	N	19.0	18.00	14.0	.05	.27	2.0	1.0
RAV3907S	N	62.0	16.00	1,000.0	1.00	6.40	15.0	1.0
RAV3911S	N	15.0	9.00	47.0	.42	2.00	4.0	N
RAV3913S	N	3.0	6.00	10.0	.10	--	N	N
RAV3914S	N	4.0	6.00	5.0	<.05	1.50	2.0	N
RAV3916S	N	21.0	9.00	5.0	1.10	.28	N	N
RAV3918S	N	140.0	19.00	150.0	2.70	6.88	11.0	N
RAV3920S	N	9.0	6.00	8.0	<.05	.15	<1.0	<1.0
RAV3922S	N	8.0	4.00	6.0	<.05	.15	<1.0	<1.0
RAV3924S	N	12.0	2.00	8.0	<.05	.06	N	N
RAV4981S	N	4.0	11.00	10.0	N	.17	2.0	5.0
RAV5905S	N	22.0	13.00	4.0	.09	.42	2.0	3.0
RAV5907S	N	30.0	15.00	18.0	.12	.38	1.0	2.0
SEM0592S	N	1.1	.50	1.4	<.02	<.02	<.5	<1.0
SEM0594S	N	1.0	1.00	2.0	<.02	<.02	<.5	<1.0
SEM0596S	N	5.0	1.00	1.5	<.02	.02	<.5	<1.0
SEM0598S	N	3.5	1.80	1.5	<.02	.02	<.5	<1.0
SEM1400S	N	1.8	1.50	2.0	.03	.03	<.5	<1.0
SEM1402S	N	4.5	1.00	1.9	<.02	.02	<.5	<1.0
SEM1404S	N	92.0	10.00	16.0	.05	.19	N	N
SEM1417S	N	1.3	2.00	5.5	.02	<.02	<.5	<1.0
SEM1419S	N	49.0	2.00	27.0	.08	.21	N	N
SEM1420S	N	11.0	10.00	13.0	N	<.05	N	N
SEM1422S	N	25.0	10.00	14.0	<.05	.07	N	N
SEM1424S	N	1.0	1.70	1.5	<.02	.02	<.5	<1.0
SEM1426S	N	22.0	19.00	17.0	<.05	.14	N	N
SEM1428S	N	.9	1.30	1.0	<.02	<.02	<.5	<1.0
SEM1430S	N	.5	5.00	2.0	<.02	<.02	<.5	<1.0
SEM1431S	N	2.7	2.70	.7	<.02	<.02	<.5	<1.0
SEM1433S	N	19.0	13.00	1.0	<.05	.16	2.0	N
SEM1435S	N	19.0	8.00	9.0	N	.07	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE	S-BI	S-CD
SEM1437S	46 49 5	113 54 4	3.00	1.00	1.50	.30	700	N	N	N	200	2,000	5.0	N	N
SEM1438S	46 49 41	113 54 50	3.00	1.00	.70	.30	1,500	N	N	N	70	1,000	2.0	N	N
SEM1440S	46 50 44	113 54 9	3.00	.70	.70	.30	700	N	N	N	70	1,500	1.5	N	N
SEM1441S	46 50 55	113 53 48	.70	.15	1.50	.10	2,000	N	N	N	30	1,000	2.0	N	N
SEM1443S	46 51 23	113 52 59	3.00	1.00	1.00	.50	700	N	N	N	300	1,500	3.0	N	N
SEM1445S	46 50 55	113 52 33	3.00	.70	.50	.20	1,000	N	N	N	70	1,000	3.0	N	N
SEM1465S	46 47 9	113 58 50	3.00	1.00	.50	.20	500	N	N	N	100	1,000	2.0	N	N
SEM1467S	46 46 51	113 57 25	2.00	.50	1.00	.30	500	N	N	N	150	2,000	7.0	N	N
SEM1468S	46 47 9	113 57 13	3.00	.70	1.50	.30	1,500	N	N	N	200	1,500	10.0	N	N
SEM1470S	46 47 9	113 57 10	3.00	.70	1.00	.50	700	N	N	N	200	2,000	5.0	N	N
SEM1473S	46 47 27	113 54 48	5.00	1.50	1.00	.70	1,000	N	N	N	300	2,000	1.5	N	N
SEM1474S	46 51 57	113 56 13	2.00	.30	.70	.15	700	N	N	N	50	1,000	3.0	N	N
SEM1475S	46 51 40	113 57 14	1.50	.30	2.00	.20	1,500	N	N	N	50	1,000	2.0	N	N
SUN0573S	46 53 58	113 44 44	5.00	1.00	1.00	.70	500	N	N	N	200	700	3.0	N	N
SUN0574S	46 54 52	113 44 7	2.00	.70	.30	.50	500	1.0	N	N	150	1,000	5.0	N	N
SUN0575S	46 56 40	113 43 4	2.00	.50	.50	.50	1,500	N	N	N	150	1,500	5.0	N	N
SUN0577S	46 56 21	113 43 10	2.00	.70	.30	.30	700	N	N	N	200	1,500	3.0	N	N
SUN1501S	46 57 54	113 43 56	2.00	.50	.30	.30	300	N	N	N	200	700	3.0	N	N
SUN1502S	46 57 19	113 43 1	2.00	.50	.30	.30	700	N	N	N	150	1,000	3.0	N	N
SUN1503S	46 57 19	113 42 57	1.50	.20	.70	.20	1,000	N	N	N	70	700	2.0	N	N
SUN1505S	46 56 8	113 41 27	1.50	.50	.10	.30	200	N	N	N	300	700	1.5	N	N
SUN1506S	46 58 54	113 43 6	3.00	.70	.50	.30	500	<.5	N	N	70	700	2.0	N	N
SUN1507S	46 58 55	113 43 17	3.00	.70	.30	.30	300	N	N	N	70	500	2.0	N	N
SUN1508S	46 55 3	113 42 31	3.00	.70	.30	.30	500	N	N	N	70	700	2.0	N	N
SUN1510S	46 53 12	113 39 38	3.00	.50	.50	.30	700	N	N	N	70	700	2.0	N	N
SUN1511S	46 54 33	113 39 40	3.00	.70	.50	.30	1,000	N	N	N	50	1,000	3.0	N	N
SUN1513S	46 53 14	113 38 18	2.00	.70	.50	.30	300	N	N	N	150	1,000	2.0	N	N
SUN1515S	46 55 53	113 37 54	2.00	.50	.50	.30	700	N	N	N	70	700	2.0	N	N
SUN1517S	46 57 13	113 37 38	3.00	.70	.70	.30	500	N	N	N	50	1,000	1.5	N	N
SUN1518S	46 56 50	113 37 53	2.00	.70	2.00	.70	300	N	N	N	200	1,000	2.0	N	N
SUN1519S	46 56 40	113 38 20	1.00	.70	1.00	.20	150	N	N	N	100	1,500	3.0	N	N
SUN1520S	46 56 11	113 38 47	3.00	.70	.30	.30	300	N	N	N	70	1,000	1.5	N	N
SUN1521S	46 55 28	113 39 1	2.00	.30	.70	.20	1,000	N	N	N	50	1,000	1.5	N	N
SUN1522S	46 56 6	113 40 52	3.00	.70	.30	.50	700	N	N	N	300	700	2.0	N	N
SUN1523S	46 57 29	113 41 22	3.00	.50	.20	.30	1,500	N	N	N	50	700	2.0	N	N
SUN1524S	46 57 30	113 41 25	3.00	.50	.20	.30	1,500	N	N	N	70	700	1.5	N	N
SUN1526S	46 58 28	113 41 22	2.00	.70	.20	.30	500	N	N	N	150	700	1.5	N	N
SUN1527S	46 59 28	113 42 37	1.50	.70	.20	.50	300	N	N	N	100	700	1.5	N	N
SUN1528S	46 59 6	113 40 27	3.00	.70	.30	.30	500	N	N	N	50	700	1.5	N	N
SUN1529S	46 59 5	113 39 4	2.00	.50	.50	.50	500	N	N	N	150	700	2.0	N	N
SUN3965S	46 52 36	113 40 24	2.00	.70	.50	.50	700	N	N	N	200	1,000	2.0	N	N
SUN3970S	46 52 32	113 41 46	2.00	.70	.50	.50	1,000	N	N	N	200	1,000	5.0	N	N
SUN3971S	46 52 58	113 41 21	3.00	.50	.30	.30	700	N	N	N	150	700	3.0	N	N
SUN3972S	46 53 55	113 40 49	3.00	.70	.30	.50	1,000	N	N	N	200	1,000	5.0	N	N

CHAPTER B

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3. STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE, MONTANA (cont)

SAMPLE	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR
SEM1437S	7	30	20	30	N	<20	20	30	N	10	N	100	50	N	50	N	200
SEM1438S	7	70	20	50	N	<20	15	30	N	10	N	200	70	N	30	N	500
SEM1440S	7	50	20	30	N	<20	10	30	N	7	N	150	70	N	30	N	300
SEM1441S	N	15	20	30	N	N	5	30	N	5	N	<100	30	N	10	N	70
SEM1443S	7	70	30	30	N	<20	20	30	N	7	N	100	70	N	30	N	300
SEM1445S	10	50	70	70	N	<20	20	50	N	10	N	<100	50	N	100	N	200
SEM1465S	7	50	20	30	N	<20	15	20	N	10	100	N	50	N	20	N	150
SEM1467S	7	50	20	50	N	<20	15	20	N	7	N	<100	70	N	30	N	300
SEM1468S	5	20	50	70	N	<20	20	20	N	7	N	<100	50	N	100	N	300
SEM1470S	7	100	30	50	N	<20	20	20	N	7	N	<100	70	N	50	N	300
SEM1473S	7	100	30	30	N	<20	30	20	N	10	N	<100	100	N	50	N	500
SEM1474S	7	30	50	30	N	<20	15	30	N	10	N	<100	50	N	70	N	100
SEM1475S	5	50	30	30	N	<20	10	30	N	7	N	150	50	N	20	N	150
SUN0573S	7	70	50	30	5	<20	50	30	N	15	N	N	100	N	50	N	200
SUN0574S	7	50	70	30	N	<20	15	30	N	7	N	<100	50	N	50	N	300
SUN0575S	7	30	30	100	N	<20	20	30	N	7	N	100	50	N	150	N	300
SUN0577S	7	50	15	30	N	<20	15	30	N	5	N	100	50	N	70	N	300
SUN1501S	10	20	15	30	N	<20	50	30	N	5	N	N	50	N	50	N	300
SUN1502S	7	50	15	50	N	<20	20	30	N	7	N	<100	70	N	100	N	200
SUN1503S	7	15	15	30	N	<20	7	20	N	7	N	100	30	N	15	N	150
SUN1505S	7	20	7	30	N	<20	<5	20	N	5	N	N	50	N	30	N	1,000
SUN1506S	7	50	20	30	N	<20	15	20	N	10	N	<100	50	N	30	N	200
SUN1507S	7	50	15	50	N	<20	15	15	N	10	N	<100	50	N	30	N	500
SUN1508S	10	50	20	50	N	<20	15	20	N	10	N	<100	50	N	30	N	200
SUN1510S	10	50	20	50	N	<20	15	20	N	10	N	100	50	N	50	N	500
SUN1511S	10	50	30	70	N	<20	20	30	N	10	N	100	50	N	70	N	200
SUN1513S	7	70	15	30	N	<20	20	30	N	5	N	100	50	N	50	N	300
SUN1515S	10	30	20	50	N	<20	15	20	N	10	N	100	50	N	50	N	500
SUN1517S	7	20	20	50	N	<20	10	20	N	10	N	100	50	N	30	N	200
SUN1518S	7	50	10	30	N	<20	10	20	N	5	N	<100	70	N	150	N	200
SUN1519S	<5	20	10	30	N	<20	10	20	N	5	N	<100	30	N	20	N	300
SUN1520S	5	50	15	50	N	<20	10	20	N	7	N	100	50	N	30	N	300
SUN1521S	<5	30	20	30	N	<20	7	30	N	7	N	100	30	N	20	N	150
SUN1522S	<5	15	10	30	N	<20	7	20	N	5	N	N	50	N	30	N	300
SUN1523S	15	30	20	50	N	<20	15	30	N	10	N	100	50	N	30	N	200
SUN1524S	15	30	20	50	N	<20	10	30	N	10	N	<100	50	N	30	N	300
SUN1526S	7	30	15	50	N	<20	10	20	N	5	N	N	50	N	30	N	700
SUN1527S	7	30	15	30	N	<20	10	20	N	5	N	<100	50	N	20	N	500
SUN1528S	7	50	20	30	N	<20	15	20	N	7	N	<100	50	N	20	N	200
SUN1529S	7	50	20	70	N	<20	20	20	N	7	N	<100	50	N	50	N	300
SUN3965S	10	50	20	30	N	<20	20	50	N	7	N	N	70	N	70	N	300
SUN3970S	7	50	30	50	N	<20	30	30	N	7	N	N	70	N	70	N	300
SUN3971S	10	70	20	70	N	<20	30	20	N	7	N	N	50	N	100	N	500
SUN3972S	10	100	20	50	N	<20	50	20	N	10	N	N	70	N	100	N	300

LATITUDE 46°30'-47°00' LONGITUDE 113°30'-114 00'

TABLE 3.-STREAM-SEDIMENT SAMPLE LOCALITY AND ANALYSES IN THE BUTTE 1°X2° CUSMAP QUADRANGLE,MONTANA (cont.)

SAMPLE	S-TH	AA-CU	AA-PB	AA-ZN	AA-AG	AA-CD	AA-BI	AA-SB
SEM1437S	N	20.0	16.00	23.0	<.05	.14	N	N
SEM1438S	N	.3	1.60	2.0	<.02	.02	<.5	<1.0
SEM1440S	N	.5	1.40	2.0	<.02	.02	<.5	<1.0
SEM1441S	N	40.0	38.00	300.0	.22	1.75	2.0	2.0
SEM1443S	N	20.0	13.00	15.0	<.05	.06	N	N
SEM1445S	N	6.8	6.70	3.0	.02	.02	.5	<1.0
SEM1465S	N	1.4	1.80	3.0	<.02	.02	<.5	<1.0
SEM1467S	N	28.0	13.00	29.0	.13	N	1.0	1.0
SEM1468S	N	34.0	18.00	34.0	.19	N	1.0	N
SEM1470S	N	25.0	10.00	15.0	.14	N	1.0	1.0
SEM1473S	N	9.0	7.00	6.0	.05	N	N	N
SEM1474S	N	6.3	4.30	4.3	.02	.03	<.5	<1.0
SEM1475S	N	4.8	1.50	15.0	.03	.08	<.5	<1.0
SUN0573S	N	19.0	15.00	15.0	.05	.09	<1.0	<1.0
SUN0574S	N	8.0	10.00	6.0	.05	N	N	N
SUN0575S	N	14.0	12.00	26.0	<.05	.29	N	N
SUN0577S	N	6.0	7.00	17.0	.06	.09	N	N
SUN1501S	N	9.0	14.00	17.0	.05	.28	1.0	N
SUN1502S	N	13.0	16.00	14.0	.06	.37	1.0	N
SUN1503S	N	6.0	10.00	28.0	<.05	.30	1.0	<1.0
SUN1505S	N	3.0	7.00	9.0	<.05	.09	N	N
SUN1506S	N	5.0	7.00	18.0	<.05	.08	<1.0	<1.0
SUN1507S	N	6.0	4.00	6.0	<.05	.05	<1.0	<1.0
SUN1508S	N	9.0	11.00	12.0	<.05	.08	<1.0	<1.0
SUN1510S	N	8.0	12.00	18.0	<.05	.15	<1.0	1.0
SUN1511S	N	20.0	24.00	14.0	<.05	.35	1.0	<1.0
SUN1513S	N	3.0	9.00	9.0	<.05	.14	N	N
SUN1515S	N	12.0	11.00	10.0	<.05	.20	<1.0	<1.0
SUN1517S	N	5.0	10.00	12.0	<.05	<.05	<1.0	<1.0
SUN1518S	N	3.0	4.00	5.0	<.05	.26	N	N
SUN1519S	N	6.0	8.00	7.0	.23	.07	3.0	3.0
SUN1520S	N	5.0	3.00	14.0	<.05	<.05	<1.0	<1.0
SUN1521S	N	14.0	28.00	100.0	.05	.95	1.0	<1.0
SUN1522S	N	5.0	7.00	8.0	<.05	N	1.0	N
SUN1523S	N	12.0	15.00	25.0	.05	.20	<1.0	<1.0
SUN1524S	N	7.0	10.00	15.0	<.05	.15	<1.0	<1.0
SUN1526S	N	5.0	5.00	8.0	<.05	N	N	1.0
SUN1527S	N	8.0	6.00	3.0	<.05	N	1.0	N
SUN1528S	N	8.0	13.00	25.0	<.05	.25	1.0	<1.0
SUN1529S	N	19.0	18.00	20.0	.14	N	1.0	N
SUN3965S	N	6.0	9.00	12.0	.14	.16	N	N
SUN3970S	N	6.0	3.00	5.0	.12	.10	N	N
SUN3971S	N	18.0	12.00	15.0	.18	.21	N	N
SUN3972S	N	9.0	20.00	12.0	.15	.37	1.0	N